Dear CSE Students:

Welcome to the second newsletter of the Spring 2015 semester.

**Undergraduate Program (CS and CpE):** To all the new members of the Computer Science & Engineering Department - Welcome. You are entering an exciting phase of your college studies, and you need to seize every opportunity available to you to succeed and expand your knowledge. As the Undergraduate Adviser, I am here to assist you. The department website: [http://www.cse.usf.edu/undergraduate/](http://www.cse.usf.edu/undergraduate/) is there to assist you as well. Especially, the various forms you may need, like PETITION, Independent Study, Industry Internship, Graduation Checklist. There is also a list of the Elective courses typically offered by the department, and the category each fills. Look at them. GRADUATING: Those students graduating in spring or summer need to meet with me to review their graduation checklist.

**Undergraduate Program (IT):** BSIT majors/Potential 2015 Graduates: Spring 2015: Please review your DegreeWorks audit for accuracy. Schedule an appointment or email with any questions. Summer 2015: Schedule an appointment with me in the next week or two to complete your Graduation Checklist (see the Computer Sciences Department forms page [http://www.cse.usf.edu/undergraduate/](http://www.cse.usf.edu/undergraduate/)). Fall 2015? Schedule an advising appointment with me in February. Help us determine the IT Electives that will be offered in future semesters.

**Graduate Program:** For those of you who are defending this semester, please follow all College of Engineering guidelines in the College of Engineering Format Guide. If you need a copy of the guide, please contact Kim directly. Students interested in the Accelerated 5-year BS/MS program should attend the information session on Wednesday, February 18 from 2-3pm in ENB 313. As always, please check the CSE graduate program calendar for future deadlines and events.

Attached are announcements for the following (please note that this listing does **not** imply University or Department endorsement in any way):

- 2015 Research Experiences for Undergraduates Summer Program in UBIQUITOUS SENSING at USF
- Next-Generation Power-Efficient Computer Systems Design REU at Washington State University
- Summer Institute for Training in Biostatistics (SIBS)
- Secure Software Testing for Web and Mobile REU at UNT
- 2015 Research Aide Program at Argonne (for graduate students)
- MindSumo Projects
- Paid Internship at Custom Manufacturing & Engineering, Inc.
- Part-time software developer at Patel College of Global Sustainability (PCGS)
- Computer Programmer position at Grimail Crawford, Inc.
- LAMP Web Developer at Prime Education
- Multiple job opportunities at Keysight Technologies

Regards,

Ken Christensen
Director of the Undergraduate Program (and Newsletter Editor)
Email: christen@csee.usf.edu

The archive of old newsletters can be found at [http://www.cse.usf.edu/newsletter](http://www.cse.usf.edu/newsletter)
University of South Florida
College of Engineering
Department of Computer Science and Engineering

2015 Research Experiences for Undergraduates
Summer Program in UBIQUITOUS SENSING

May 26 to July 31, 2015

The Department of Computer Science and Engineering at the University of South Florida in Tampa, FL announces research summer opportunities for qualified junior and senior undergraduate students in Ubiquitous Sensing. The program is funded by the National Science Foundation’s Research Experiences for Undergraduates (REU) program. Students selected to participate in the program will work with faculty, share their experiences with fellow participants, attend seminars, acquire oral and written presentation skills, and learn how to conduct independent research.

The program provides exciting research opportunities in the area of Ubiquitous Sensing. Ubiquitous Sensing encompasses the integration of smartphones with sensors and Internet technologies to address large-scale societal as well as individual problems. Research projects will be in the areas of transportation, health care, and security (biometrics). Students will learn Android programming to collect raw sensor data and apply computer science algorithms and techniques to the data to help people navigate, improve their health, authenticate users, recognize the user activity, analyze walking patterns, etc.

Students will spend 10 weeks doing research in one project of interest while attending seminars and presentations from faculty and industry representatives about research and career development. Students will be awarded a stipend of approximately $6200 plus travel and on-campus housing.

The deadline to apply is March 1st, 2015 and awardees will be notified no later than March 15, 2015. U.S. Citizenship or permanent residency is required. Women and minorities are encouraged to apply. The application form, contact information, instructions and all information about the program can be found at http://www.cse.usf.edu/REU.
Research Experience for Undergraduates (RUE) Site:

New-generation Power-efficient Computer Systems Design

For More Information and to Apply: https://MulticoreReu.eecs.wsu.edu

The School of Electrical Engineering and Computer Science, Washington State University (www.eecs.wsu.edu) is seeking applicants for a summer Research Experiences for Undergraduates (REU) program. The 9-week summer research program will provide 10 students the opportunity to work on research projects related to the emerging field of energy-efficient massive multicore computer system design. This NSF-funded program supports undergraduate students, with one to four semesters remaining in their undergraduate programs, to become involved with a faculty member and graduate students for a 9-week research experience at WSU.

Key Dates and Deadlines:

February 28, 2015: Application Deadline
May 29, 2015: Program Begins
August 1, 2015: Program Ends

Eligibility Requirements

- Undergraduate students at accredited U.S. institutions
- Majors: Electrical and Computer Engineering
  - Computer Science
- One to four academic semesters remaining until graduation at the time of participation
- U.S. citizenship or permanent-resident status
- Minimum grade point average of 3.2 out of 4.0

Competitive Compensation for REU Participants

- $4,500 stipend
- Free on-campus housing
- Free access to University resources
- Travel support to WSU
- Weekly meal allowance

This REU Site is sponsored by National Science Foundation.
SUMMER INSTITUTE FOR TRAINING IN BIOSTATISTICS (SIBS)

Attention all mathematics, statistics, and science students seeking a summer opportunity!

What is Biostatistics?

- The fundamental component of biomedical and public health research integrating mathematical, statistical, and biological principles

What is SIBS?

- A summer program that explores how to apply quantitative methods to investigate important health issues
- The opportunity to learn the principles of applied biostatistics from recognized experts in the field and meet practicing biostatisticians, epidemiologists, and statistical geneticists
- The chance to gain real-world experience working with data from internationally recognized studies funded by the NHLBI
- The chance to learn about opportunities for graduate study, additional training and career opportunities

Eligibility

- Undergraduates majoring in mathematics, statistics, biology, or other science who have an interest in quantitative methods
- Those with a baccalaureate degree are eligible to apply but priority is given to undergraduates at the time of application
- Applicants must be American citizens or permanent residents of the United States

Educational and Financial Benefits

- No fees or tuition costs (housing, meals, and many extracurricular activities covered)
- Earn college credits
- Hands-on training with top researchers
- Access to top Universities’ facilities

Additional Program Information

SIBS programs will be held in the summer of 2015. More detailed information, including program dates, application procedures, and deadlines, are available at the following websites.

Boston University
http://sph.bu.edu/sibs

University of Iowa
http://www.public-health.uiowa.edu/isib/

Emory University
http://www.sph.emory.edu/departments_centers/bios/bios_training/sibs.html

Columbia University
http://www.mailman.columbia.edu/academic-departments/biostatistics/csibs-program

NC State University – Duke Clinical Research Institute
http://www.stat.ncsu.edu/sibs/

University of Pittsburgh
http://www.publichealth.pitt.edu/biostatistics/research-and-practice/sibs

University of Wisconsin
http://www.biostat.wisc.edu/content/summer-institute-training-biostatistics-sibs

University of Minnesota
http://www.sph.umn.edu/programs/sibs/

The Summer Institutes for Training in Biostatistics is sponsored by the National Heart, Lung, and Blood Institute and the National Center for Advancing Translational Sciences. More information can be found at (http://www.nhlbi.nih.gov/funding/training/redbook/sibsweb.htm).
REU Site: Secure Software Testing for Web and Mobile Applications

The Secure Software Testing for Web and Mobile Applications REU Site is currently accepting applications pending funding for Summer 2015. We seek to provide undergraduate research students with opportunities to motivated students. No previous research experience is required. Students will work on exciting projects that focus on Security and Software Testing for web and mobile applications.

Participant Eligibility Requirements:
- Must be enrolled in an undergraduate program in Computer Science, or a related field.
- Must be an undergraduate in good standing
- Must be a US citizen or US permanent resident
- Must complete the on-line application including the brief essay questions by February 15
- Must submit transcripts by February 15
- Must ensure two references have submitted their letters of recommendation by February 15

Accepted students will receive:
- The opportunity to work on exciting research in the area of web testing.
- $5,000 stipend for 10 weeks.
- On-campus Housing at the University of North Texas
- Social activities, including food
- Some students will receive a travel stipend for moving expenses
- The opportunity to be part of program that has a strong emphasis on collaboration with other students

Apply [http://www.cse.unt.edu/~reeneebryce/Renee_Bryce/REU.html](http://www.cse.unt.edu/~reeneebryce/Renee_Bryce/REU.html)

Thank you for your interest!
Dr. Renee Bryce and Dr. Hassan Takabi
Directors of the REU Site for Secure Software Testing for Web and Mobile Applications
Computer Science & Engineering
University of North Texas
Dear Colleague:

Argonne National Laboratory is seeking highly motivated and energetic graduate students for the 2015 Research Aide Program.

Over the years, Argonne has supported thousands of graduate students in their explorations of STEM research careers; provided access to cutting-edge research facilities and fostered relationships with world-class scientists all within 30 miles of the third largest city in the country. We are looking to grow our summer 2015 cohort of graduate students.

The Research Aide program for graduate students offers temporary employment to college/university students that provide the opportunity to apply technical knowledge and skills while assisting Argonne scientific and engineering staff on key mission science projects.

**Overview**

Student-level temporary employees are assigned specific technical tasks determined by their division, they earn a salary and are expected to possess the skills required to do the assigned task when they arrive. Understanding the scientific basis for the temporary employee’s work is generally not emphasized. The maximum time allowable on a Research Aide appointment is 5-1/2 months.

**Eligibility**

Applicants must meet all eligibility requirements and submit an application with all required materials. Transcripts are NOT required. Only those applications meeting all requirements will be advanced for merit review and selection. The application materials received will provide the sole basis for the evaluation and selection.

- 18 years of age at the start of the appointment.
- Cumulative minimum grade point average 2.8 on a 4.0 scale.
- Proof of coverage under a health insurance plan for the duration of their appointment.
- Pass a background check.
Selection for any program is based upon a student's academic record, statement of interests, and his/her faculty recommendations.

**Application Process**

Students applying use the student programs application form on Argonne’s educational website and clearly marking the temporary employment box.

These positions are available and depend upon divisional needs and support. Applications are accepted anytime throughout the year.

Interested applicants need to send two recommendation letters by email or fax. Applications will not be reviewed before recommendation letters are received. Students who are selected will be notified by email.

**Financial Information**

Salaries are competitive and are based upon the field of study and academic year status of the student.

Apartment type lodging facility is available on-site along with a number off-site lodging facilities are available for rental.

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Argonne National Laboratory
Educational Programs
9700 S. Cass Avenue
Argonne, IL 60439
(630) 252-4114

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Dear Students,

Please review the latest Computer Science projects from MindSumo. MindSumo partners with employers to create projects that you can complete to get work experience, win prizes, and be hired for jobs and internships. Questions can be directed to aaron@mindsumo.com

**Cigna Challenge**: How would you effectively scale a large number of production databases? - $600 in prizes

**Logitech Challenge**: Propose a product to improve remote communication between two people - $1000 in prizes

**Astrazenca Challenge**: Propose a tool to capture information during a brainstorming session - $1000 in prizes

Direct Links:


Paid Internship at Custom Manufacturing & Engineering, Inc.

Custom Manufacturing & Engineering Inc is looking for a paid intern who can help us write C++ software in a Windows environment. The Application is an automated calibration program that commands a Reference Standard pressure controller via RS232 and a Unit Under Test via IEEE-488/GPIB. There is a requirement for a Graphical User Interface as well as writing code to actually perform the tests and calibrations. The need is immediate. Salary commiserate with experience.

If interested, please contact HR@ Custom Manufacturing & Engineering, Inc. @ 727-547-9799 or on the HR page on our website at www.custom-mfg-eng.com.
Job Title: Software Developer

Status: Part-time ($20/ hour)

Job Purpose

The Patel College of Global Sustainability (PCGS) at the University of South Florida is looking for an exceptional Software Developer to help build an Integrated Urban Water Management (IUWM) Toolbox.

The main goal of the project is to develop an IUWM Toolbox (a centralized application) to contextualize the water and sanitation provision within an integrated urban water framework. The tool will involve interactive and visual elements in form of 2D graphics, shapes, graphs and charts.

We are looking for Software Developer who can gain a credible understanding of the functionality in a short span of time, work primarily towards building the application by incorporating the visual elements mentioned above thus delivering quickly on work-related artifacts.

Required Skills

Candidates must have strong experience as a desktop application developer or programmer. Some of the required skills include:

- Interactive Desktop application development in .Net, using C# and WPF using Visual Studio 2013
- Comfortable with graphics in WPF:- Drawing Visual, Geometry Drawing, FrameworkElement/ UIElement / Shapes
- Experience working with graphs and charts in WPF Application
- Experience working with ModelView ViewModel (MVVM) design pattern
- Proficient with WPF, 2D, 3D, animation
- Experience with ASP.Net, C#, MVC, AJAX, XAML, HTML, CSS, Query, and Graphic Design
- Experience working with LINQ queries

Desired Skills

- Exposure to content management systems like Expression Engine.
- Scaffolding concepts and PHP

Working Location

Primary work location is at the Patel Center for Global Solutions (CGS) building.

How to Apply

Interested applicants may submit a resume with cover letter via electronic mail to: seneshaw@mail.usf.edu no later than Tuesday Feb 3, 2015.

For additional information, please contact Dr. Seneshaw Tsegaye, by Phone: 8139740311.
SOFTWARE DEVELOPER/COMPUTER PROGRAMMER JOB ADVERTISEMENT

Position Overview
Grimail Crawford, Inc. is currently interviewing for a Computer Programmer position in our Tampa, FL office. The selected candidate will be responsible for developing software and database solutions to our clients and staff within our organization. This is an exciting opportunity for a growing software developer to play an important role in expanding services within a fast-paced, evolving, and energetic company.

Computer Programmer Job Purpose: Develops web application and database solutions based on functional specifications and user needs

Primary Responsibilities & Tasks
- Records, processes, and organizes user needs from proposed software solutions
- Develops functional and design specifications from user needs documents
- Develops applications and databases using various computer programming languages.
- Writes and adheres to testing plans and procedures
- Provides reference for use of all developed applications by writing and maintaining user documentation
- Maintains computer systems and programming guidelines by writing and updating policies and procedures
- Coordinates with other groups and disciplines within the company, such as engineering, transportation planning, and geographic information systems
- Maintains professional and technical knowledge by attending educational workshops; reviewing professional publications; establishing personal networks; participating in professional societies
- Protects operations by keeping information confidential
- Contributes to team effort by accomplishing related results as needed
- Perform information mining and training through internet resources
- Assist with meetings, presentations, training, and demonstrating software
- Minimal assistance providing IT support to internal clients

Required Experience
A minimum of 1-3 years of experience developing software, preferably in the professional services/consulting industry

Required Education
Minimum Bachelor's degree in Computer Science or related field of study

Required Competency and Skills
- Strong skills in object oriented development
- Strong skills in application and database design
- Skilled in the Visual Studio environment
- Knowledge of .NET and JavaScript
- Ability to analyze information with an attention to detail
- Ability to relay technical and procedural information effectively through both oral and written communication
- Ability to ensure the accuracy and integrity of data delivered to clients
- Ability to balance workload and complete tasks on time
- Ability to work alone and on a team
- Ability to work consistently and directly with clients while maintaining good rapport
- Familiarity with version control
**Additional Desired Experience**

- Experience developing in multiple programming languages, including C#, PHP, Java, Ruby, Python, etc.
- Experience developing mobile and smart phone applications
- Experience with Microsoft Office Enterprise software, specifically SharePoint
- Experience with Geographic Information Systems and Esri software solutions
- Experience with Windows Server administration
- Experience managing small local area networks and server environments

**Responses**

Interested applicants should forward a resume and cover letter to: hr@gc-inc.com or fax resume and cover letter to 813-387-0085.

Grimail Crawford, Inc. is an Equal Opportunity Employer.
LAMP Web Developer at Prime Education

Prime Education is an established company for over 20 years. Our core focus is education and outreach. We are in need of a LAMP Web Developer who possesses the knowledge and experience on all things related to running a high performance website.

Job Summary:

The Website Developer is an active member of the Technology Solutions (TS) department and reports to the Technology Solutions Manager. The Website Developer is responsible for the design, functionality, and usability of all PRIME™'s websites. He/she works closely with other members of the TS department to create and maintain highly functional, scalable, optimized, and easily-navigated websites. He/she develops and maintains web pages for all of the company's CME/CE activities. He/she assists the TS Manager in identifying opportunities for web product development and new technology product opportunities with a goal to streamline deliverables, enhance the company image, or increase product marketability. In this role, he/she conducts product and website design, programming, and web development.

The Website Developer is also responsible to conduct TS service desk operations, including internal and external customer support related to the use of PRIME™'s websites, servers, and workstations. In this capacity, he/she is responsible to deliver excellent customer service for phone and electronic technical support, forwarding any security issues or dissatisfaction to the attention of the Technology Solutions Manager. He/she also provides primary support to all PRIME staff regarding computer hardware and software technical problems and questions.

Skills

- Proficiency with Linux, Apache, MySQL, and PHP
- Proficiency with HTML, CSS, Javascript, JQuery, Ajax, JSON
- Experience with third-party tools such as Wordpress, Google Analytics, etc.
- Experience designing websites for legacy browsers (IE7+) and using new technologies such as HTML5 or WebGL
- Familiarity with the many nuances of HTML email design across all platforms
- Familiarity with version control (Git, SVN, or Mercurial)
- Familiarity with W3C standards and 508 compliant web design

Salary Range: $45,000.00 - $65,000.00 per year

Benefits: Health, Dental, Vision, Matching 401K, Standard PTO, Profit sharing

Email Resume’s to: t.muhammad@primeinc.org
Software Engineer, Electronic Design Automation
EEsof division of Keysight (formerly Agilent) is a leader in Electronic Design Automation and empowers advanced electronic design for mobile, aerospace, and big data. We are looking for a PhD or Master graduate in Computer Science to join a great team of software developers in the heart of Silicon Valley. You will be responsible for architectural improvement, maintainance and refactoring, tuning and code optimization, and implementation of new features. If you are not striving to be the best in what you do, then you should not apply for this job. We are looking for passion, energy, and talent.
You must be an avid learner, passionate about your career advancement, passionate about modern software practices, absolutely love to code, strive to outperform, and be ready to lead.

Qualifications
Requirements:

Master or PhD in Computer Science
Excellent knowledge and experience of
- C++ programming
- Modern techniques in object-oriented design
- Design patterns
- Software architecture principles
- Passionate about intuitive user interface

Nice to have:

Knowledge and experience of:
- Multi-threaded high performance programming
- Code tuning and refactoring
- Software development toolset (IDE, graphical and numerical libraries, performance and memory usage profilers, etc.)
- Windows as well as Linux operating systems
- Python scripting

Job Description #2: (EE or Applied Math Candidate)
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EEsof division of Keysight (formerly Agilent) is a leader in Electronic Design Automation (EDA) and empowers advanced electronic design for mobile, aerospace, and big data. We are looking for a new PhD or Master graduate in Applied Math or Electrical Engineering to join a great team of software developers in the heart of Silicon Valley. You will be working on the core engine of our leading EDA software and will be responsible for developing and maintaining advanced algorithms to enable descriptive statistical design methodologies such as Monte Carlo Analysis methods, Fast Yield Calculation, Optimization methods, Latin Hypercube sampling, low
discrepancy sequence sampling, etc. You will also contribute to the development of our multi-threaded iterative (Krylov subspace based) and direct sparse matrix solvers. And you will develop high quality and well architecture code. You should love working on complex mathematical problems in the areas of descriptive statistics and numerical methods and you should love coding. Moreover if you are not striving to be the best in what you do, then you should not apply for this job. We are looking for passion, energy, and talent. You must be an avid learner, passionate about your career advancement, passionate about modern software practices, absolutely love to code, strive to outperform, and be ready to lead.

Requirements:

Master or PhD in Applied math or Electrical Engineering

Excellent knowledge of
- Modern descriptive statistics
- C++ based Object Oriented Programming (OOP)
- Passionate about designing software and algorithms that facilitate intuitive user experience

Nice to have:

Knowledge and experience of:
- Electronic Circuit Theory
- Electronic Circuit Simulation techniques (e.g. Harmonic Balance Methods)
- Multi-threaded high performance programming
- Numerical methods for solving large systems of nonlinear equations
- Numerical methods for solving large sparse matrices, iterative and direct methods on multi-core or multi-CPU systems
- Software development toolset (IDE, graphical and numerical libraries, performance and memory usage profilers, etc.)
- Windows as well as Linux operating systems
- Python scripting

Keysight is an equal opportunity employer. Qualified applicants will receive consideration for employment without regard to disability, protected veteran status or any other protected categories under all applicable laws.
Software Engineer

Keysight Technologies (www.keysight.com) has been unlocking electronic measurement insights for 75 years. No other company offers our depth and breadth of measurement tools and expertise. Our singular focus helps scientists and engineers address their toughest challenges with precision and confidence. With our help, they are better able to deliver the breakthroughs that make a measurable difference in the world.

Keysight EEsof is a market leader and technology innovator in the EDA (Electronic Design Automation) industry. You will work on a versatile and practical engineering problem space ranging from state of the art simulation technologies for high frequency designs deployed in cell phones, base stations, radars, intuitive user interface design, 2D/3D graphing capabilities, to infrastructure modules that lay out the bedrock for all of our software platforms. You will obtain hands-on experience on multiple OS platforms like Windows and Linux. You will work directly with high-powered Agile software development teams that utilize modern software engineering techniques such as Test-driven development.

Qualifications

Critical skills
- Strong interest in robust and efficient software architecture
- Good knowledge about software development tools and current methodologies
- Strong intellectual curiosity and strong interest in usability and graphical user interface design
- Working knowledge in C++ or other object-oriented language
- Demonstrated track record of being versatile, a quick learner, and a critical thinker
- Major in Computer Science, Electrical/Computer Engineering, or Math

Desired skills

Knowledge in one or more of these areas would be an asset:
- Cross-platform development for Windows and Linux
- Application & UI Frameworks like .NET or, preferably, Qt
- Python, Matlab, or other scripting language
- Database and algorithms
- Parallel computing and cloud computing

Keysight Technologies is an equal opportunity employer. Qualified applicants will receive consideration for employment without regard to disability, protected veteran status or any other protected categories under all applicable laws.
Co-op Internship
Keysight Technologies is looking for a self-motivated co-op student to work with a software team in the Alpharetta office. The student will work on various development projects related to two Agilent EEsof EDA software: SystemVue and Genesys. Some of these projects may include new feature development, testing, porting Windows code to Linux, code maintenance, and other CS/EE related tasks.

Qualifications
The beginning co-op semester is Fall 2015. The majors of interest are Computer Science and Electrical Engineering. Work hours are flexible. Good analytical skills are important. C++ programming skills are required. The student must provide their own transportation to and from the Alpharetta office.

Keysight is an equal opportunity employer. Qualified applicants will receive consideration for employment without regard to disability, protected veteran status or any other protected categories under all applicable laws.
Technical Support Engineer
An exciting opportunity to work directly with industry leaders in High Speed Digital, RF/MW, and Mixed-Signal design.

This candidate will work as a Technical Support Engineer for Keysight EDA tools, helping customers work through complex design solutions in RF/MW, and Mixed-Signal environments, with a special emphasis on HSD.

As an Intern, you will apply your theoretical learnings to practical design applications, through a variety of focused hands-on projects. At the same time, you will gain knowledge about Keysight EEsof's EDA products. This is developing real world experience in a company that is a leader in the markets it serves.

Qualifications
Required:
- Bachelors or Master in Electrical Engineering or Computer Science from an accredited 4 year university
- Strong communication skills: both written and oral
- Customer oriented – promoting high satisfaction with Keysight tools
- Ability to manage multiple projects simultaneously
- Team oriented – seeking and managing input from multiple resources for problem resolution
- Able to solve non-routine issues, challenges, and problems within the field of specialization

Additional Desired Skills
- Experience in ESL
- C++ Programming
- Knowledge of AMI models and HSD applications

“Keysight is an equal opportunity employer. Qualified applicants will receive consideration for employment without regard to disability, protected veteran status or any other protected categories under all applicable laws.”
Product Marketing Intern

Product Marketing Engineer: Take your electrical engineering education and your interest in RF applications, business and marketing and combine them all into an exciting summer internship and possibly a new career. Project opportunities include RF applications, product pricing optimization or even a power electronics that could lead to insights for the $1M IEEE Little Box Challenge w/Google.

Join a dynamic team that's designing and implementing marketing strategies and partnering experienced applications engineers and product managers and R&D engineers to develop new products. You'll have all the support and encouragement you need grow your skills and knowledge.

Keysight EEsof EDA organization provides software solutions for RF design engineers. Besides being the leading software tool in industry, EEsof software is also used for teaching in universities world-wide.

Qualifications
This is a Keysight Summer intern position, approximately three months in duration, based in Keysight's Santa Rosa, California headquarter.

We are seeking a Junior or Senior in Electrical and Computer Engineering students or someone already with a BS in Electrical and Computer Engineering and pursing an MBA.

The position requires basic knowledge of RF circuit design fundamentals. Familiarity with ADS is preferred.

Verbal and written communication and presentation skills are required.

You're eager to build on your basic understanding of engineering and marketing. If you can bring some experience, great. If not, your positive, proactive attitude and willingness to work as part of a go-getting team are what will set you apart.

Keysight is an equal opportunity employer. Qualified applicants will receive consideration for employment without regard to disability, protected veteran status or any other protected categories under all applicable laws.
Software Engineer – Intern
We are looking for a passionate and energetic Intern to undertake real-world commercial challenges of enterprise software development. Ideal candidate will have be an advanced CS major or an advanced EE major with very strong CS background. You will be working on developing and contributing to enterprise EDA software. Candidate projects to be undertaken are: Porting a Linux EDA tool to Windows and/or developing a brand new EDA tool with associated User Interface Design in QT.

Qualifications
Qualifications:
1. Passionate about developing software tools/apps that are intuitive to use and a pleasure to use. And passionate about developing code that is easy to maintain and well architected and reusable. Follow good code concepts such as described in the book "Clean Code".
2. Proficiency in object oriented analysis, design & programming.
3. Strong programming/working knowledge of C++.
4. Programming experience on Windows (Visual Studio) and/or Linux (Eclipse) development environments
5. Able to converse effectively
6. B.E./M.E./PhD in Computer Science/ECE/EEE
7. The candidates should have prior knowledge in writing software code &/or circuit design.

Keysight is an equal opportunity employer. Qualified applicants will receive consideration for employment without regard to disability, protected veteran status or any other protected categories under all applicable laws.
Software Engineer

Keysight Technologies (www.keysight.com) has been unlocking electronic measurement insights for 75 years. No other company offers our depth and breadth of measurement tools and expertise. Our singular focus helps scientists and engineers address their toughest challenges with precision and confidence. With our help, they are better able to deliver the breakthroughs that make a measurable difference in the world.

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- Strong intellectual curiosity and strong interest in usability and graphical user interface design
- Working knowledge in C++ or other object-oriented language
- Demonstrated track record of being versatile, a quick learner, and a critical thinker
- Major in Computer Science, Electrical/Computer Engineering, or Math

Desired skills
- Knowledge in one or more of these areas would be an asset:
  - Cross-platform development for Windows and Linux
  - Application & UI Frameworks like .NET or, preferably, Qt
  - Python, Matlab, or other scripting language
  - Database and algorithms
  - Parallel computing and cloud computing

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