Dear CSE Students:

Welcome to the fourth newsletter of the fall 2014 semester (and Happy Halloween!).

**Undergraduate Program (CS and CpE):** Registration for the spring 2015 semester begins on Monday, November 3. Check Oasis for your registration date.

**Undergraduate Program (IT):** Planning to graduate or complete IT Senior Project in Spring 2015?
1. Did you meet with Lisa Wetmore and complete and the Graduation Checklist by October 31st?
2. Have you thoroughly read the Instructions for IT Senior Project? Download the instructions and required forms here [http://www.cse.usf.edu/undergraduate/department_forms/](http://www.cse.usf.edu/undergraduate/department_forms/)
3. Have you made the initial contact with the faculty member you want to supervise your IT Senior Project?
4. Have you completed the IT Senior Project Letter of Intent?
This should be accomplished before the holiday break. If you wait until the first week of classes, you have waited too long.

**Graduate Program:** Important deadlines are coming up. Application to Admission to Candidacy is due Friday, November 21. You will only be able to register for dissertation hours for the Spring once your application has been approved. Applications for Graduation in Spring 2015 are due Monday, December 1. For all deadlines, please see the Graduate calendar on the CSE website. All forms can also be found at [http://www.cse.usf.edu/graduate/current_students/graduate_forms](http://www.cse.usf.edu/graduate/current_students/graduate_forms).

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

- ACM meeting, Monday, November 3rd 5:30pm in ENB 313
- AccessComputing – For People with Disabilities
- AFRL Discovery Labs Co-ops and Internships
- GlobalVise is hiring
- Tech Programmer / Co-Founder wanted for Kardmii
- Raymond James Financial – Software Engineer I Compliance
- Raymond James Financial – Software Engineer II Compliance
- CyberCoders Recruiting Ad (Seeking malware analyst)

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)
Please join USF’s Association of Computing Machinery for BIC Graphic and USF’s Instructional Technology Program Information Sessions

Monday, November 3rd 5:30pm, ENB 313

Refreshments will be provided
AccessComputing – For People with Disabilities

AccessComputing, a National Science Foundation funded project, aims to increase the participation of people with disabilities in computing careers by providing mentoring and funding for career development activities for students with disabilities computing-related fields.

AccessComputing helps students with:

MENTORING: Through our online community, students and mentors discuss a variety of topics. It is a place to connect with others to share your successes, ask for suggestions regarding any issues that may arise for you related to your disability, education or employment, and to support other team members when they need help brainstorming solutions.

JOB EXPLORATION: Also known as work-based learning experiences, AccessComputing staff can assist you in finding opportunities for informational interviews and job shadows in your area of interest.

TUTORS: Struggling with a computing course? Please contact me about tutor support. Each term, AccessComputing can fund a limited number of tutors for project participants.

CONFERENCES: Interested in attending a conference related to computing, diversity, or professional development? AccessComputing may be able to provide funding for travel, registration, or accessibility-related costs.

INTERNSHIPS: The AccessComputing project helps students find internships that relate to computing. Together with AccessComputing staff, students make contacts with faculty members and companies in their area to inquire about internship opportunities. If opportunities are unpaid the student can request wages from the AccessComputing project.

Find an application and more information online at: uw.edu/accesscomputing/get-involved/students/join-accesscomputing-team

Best,
Brianna

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Air Force Research Laboratory’s (AFRL) Discovery Lab (Wright Patterson AFB, OH) has openings this Spring & Summer for freshmen to PhD students studying in STEM fields with special emphasis on engineering, computer science, and serious gaming.

15 & 10 week full and part time research positions are offered to US citizens. Housing provided for qualified students. Some projects will be partnerships with govt/industries. Part-time research opportunities exist in many cases that will not require relocating.

Some of our projects will be in partnership with Army Research Laboratory, NASA, or one of our off/on-site industry partners.

Here are the technology areas that we are seeking top students for Spring & Summer.

- Virtual Reality/ Serious Gaming
- Big Data Analytics of Unstructured Data
- Internet of Things: Computational Electronics
- Biomedical Assistive Technologies
- Smart Vision for 3D Printed “Drones”
- Cybersecurity for Embedded Systems

To learn more: the first step is to send email asap (since we are first come / first serve) with just DLAB in email’s subject line to:

robert.williams.78@us.af.mil

Attach a resume & answer three questions: what school do you attend, what would be an “AWESOME!!” project if selected & why should we select you? ➔ Be credible
GlobalVise is a Tampa based IT staffing and consulting firm. We are looking to hire MS (MIS) or MS (CS) students as a full time employees of GlobalVise. We are looking to hire students with the professional experience of 3 years or more in Java, .net, QA, BI or IT Business Analyst.

Please send your resumes to: sanjay@globalvise.com.

* We are open to all types of valid work authorizations including OPT-EAD, Green Card - EAD, Green Card and Citizen. GlobalVise is an Equal Opportunity Employer (EEO).
Who we are:
Kardmii is a tween/kid entertainment Start-Up.

What we are creating:
We are creating a tween social hangout (website and app) with unique features.

Current Progress:
-MVP site almost fully developed
-100+ animated characters made

What we are looking for:

Tech Programmer/Co-founder Wanted

-We are looking for someone to be a technical co-founder and ultimately be in charge of the programming aspect of the website and app.

-The website is built on asp.net ms sql. Therefore knowledge on this platform is a must.

-MUST be able to program unique features and have experience in mobile.

For more info please phone, text, or email us

Phone: 786-523-1771
Email: kforce@kardmii.com
Job Description

Software Engineer I-Compliance-1402989

Description

Job Summary:
Under direct supervision, uses specialized knowledge and skills obtained through education, experience and/or formal training to assist in creating, and modifying new and existing software. Codes, tests, debugs, documents, and maintains software. Writes programs according to specifications from higher level engineers or business analysts. Detailed instructions and established procedures and prescribed guidelines are provided to perform a variety of tasks requiring minimal evaluation, originality or ingenuity in making routine decisions.

• Essential Duties and Responsibilities:
  • Adheres to established information technology standards and procedures.
  • Assists in analyzing system requirements.
  • Assists in conducting special studies and investigations and developing new information systems to improve business processes, as required.
  • Assists in studying existing data handling systems to evaluate effectiveness.
  • Designs or modifies programs from specifications provided by others.
  • Develops system documentation.
  • Identifies and corrects program defects.
  • Maintain currency in technical skills.
  • Participates in software system testing and validation procedures, programming, and documentation.
  • Take ownership of an aspect or task on a system with some assistance.
  • Performs other duties and responsibilities as assigned.

Qualifications

Knowledge, Skills, and Abilities:
Knowledge of:
• Basic concepts of programming such as data structures, error handling, data manipulation, and I/O processing.
• Database concepts and practices, including definition and query language concepts.
• Data processing hardware.
• Program design concepts through the use of flowcharting and data flow diagramming.
• Structured development methodology.
• Operating systems.
• Files, reports, and screens and how they are used in applications.
• Relationship between IT and business.
• Core business competencies such as finance, management, accounting, operations, and marketing.
• Concepts and practices of testing procedures.
• Financial industry business.

Skill in:
• Development in 1 programming technology.
• Processes of programming such as compiling, source code editing, debugging, testing and deployment.
• Use of modern development tools.
• Modifying existing systems.
• Demonstrating appropriate frequency and level of detail in communications, both verbal and written.
• Operating standard office equipment and using required software applications.
• Clear, concise, grammatically correct oral and written communications.

Ability to:
• Recommend technical direction at an individual program level.
• Comprehend software specifications or design and translates into executable code with some assistance.
• Create clear and concise program documentation.
• Provide a high level of customer service.
• Establish and maintain effective working relationships with others.
• Exhibit a positive attitude when dealing with the client.
• Follow all internal procedures for handling customer requests.
• Contact the appropriate person to assist with an escalated or more difficult issue.
• Communicate timely and through proper channels to keep customer and upper management informed of the progress of an issue.
• Take personal ownership of issues, following through to issue resolution.
• Attend to detail.
• Analyze and solve logic problems.
• Read, comprehend, and apply technical information.
• In emergency situations, determine appropriate actions to protect critical systems and data.
• Demonstrate judgment appropriate for level and experience.
• Either meet all deadlines created by management or clearly communicate to management the reasons the deadlines are not possible.
• Organize and prioritize multiple tasks and meet deadlines.
• Respect all team members regardless of level, role, or skill.
• Participate in team projects and activities.
• Demonstrate flexibility in accepting and adapting to change.
• Ask general questions to verify clear understanding of client issues.
• Takes ownership of an aspect or task on a system with some assistance.

Educational/Previous Experience Requirements:
• 1-3 years of experience with .NET, ASP.NET, C#
• Experience with SQL and SQL Server
• Bachelor's Degree in a technology-related discipline.
• Proficient understanding of principles in one or more functions of position.
  ~or~
• Any equivalent combination of experience, education, and/or training approved by Human Resources.

Licenses/Certifications:
• None required.

**Job** Technology  
**Primary Location** US-FL-Tampa-St. Petersburg  
**Organization** RJA Compliance Administration  
**Schedule** Full-time  
**Shift** Day Job  
**Travel** No
Job Description

Software Engineer II-Compliance-1402897

Description

Job Summary:
Under general supervision, uses specialized knowledge and skills obtained through education, experience and/or specialized training to create and modify new and existing software. Involved in full systems life cycle and is responsible for coding, testing, implementing, maintaining, and supporting application software that is delivered on time and within budget. Guidance is provided to perform varied work that is more difficult in character requiring limited evaluation, originality and ingenuity to make moderately complex decisions. Resolves escalated issues and problems.

Essential Duties and Responsibilities:
• Adheres to established information technology standards and procedures.
• Analyzes system requirements, including identifying program interactions and appropriate interfaces between affected components and sub systems.
• Analyzes user needs and software requirements to determine feasibility of design within time and cost constraints.
• Conducts special studies and investigations and develops new information systems to improve business processes, as required.
• Designs and/or modifies programs from specifications and develops system documentation.
• Designs conversion procedures.
• Identifies and corrects program defects.
• Maintains currency in technical skills.
• Studies existing data handling systems to evaluate effectiveness.
• Writes system specifications, including output requirements and flow charts.
• Participates in software system testing and validation procedures, programming, and documentation.
• May work individually or coordinate database development as part of a team.
• May participate in various committees to support department initiatives.
• Performs other duties and responsibilities as assigned.

Qualifications

Knowledge, Skills, and Abilities:
Knowledge of:
• Concepts of programming such as data structures, error handling, data manipulation, and I/O processing.
• Database concepts and practices, including definition and query language concepts.
• Data processing hardware.
• Program design concepts through the use of flowcharting and data flow diagramming.
• Structured development methodology.
• Operating systems.
• Files, reports, and screens and how they are used in applications.
• Relationship between IT and business.
• Core business competencies such as finance, management, accounting, operations, and marketing.
• Concepts and practices of testing procedures.
• Financial industry business.
• Supported business area.

Skill in:
• Development in 1 programming technology, with experience/exposure to a second programming technology, and 1 development platform, along with beginner level design abilities.
• Processes of programming such as compiling, source code editing, debugging, testing and deployment.
• Use of a modern development tools.
• Use of the Microsoft Office Suite of products (Word, Excel, PowerPoint, Visio) for use in development efforts.
• Designing new or modifying existing systems.
• Maintaining currency in technical skills.
• Demonstrating appropriate frequency and level of detail in communications, both verbal and written.
• Operating standard office equipment and using required software applications.

Ability to:
• Ask pointed questions to verify clear understanding of client issues.
• Recommend technical direction at the individual program and sub-system level.
• Comprehend software specifications or design and translate into executable code with no assistance and provide feedback to the designer.
• Take ownership of an aspect or task on a system with little to no assistance.
• Champion technical project improvement efforts.
• Create clear and concise program and sub-system documentation.
• Lead a meeting addressing focused technical issues.
• Provide a high level of customer service.
• Establish and maintain effective working relationships with others.
• Exhibit a positive attitude when dealing with the client.
• Follow all internal procedures for handling customer requests.
• Contact the appropriate person to assist with an escalated or more difficult issue.
• Communicate timely and through proper channels to keep customer and upper management informed of the progress of an issue.
• Take personal ownership of issues, focusing on root cause analysis, and following through to issue resolution.
• Attend to detail.
• Analyze and solve logic problems.
• Read, comprehend, and apply technical information.
• In emergency situations, determine appropriate actions to protect critical systems and data.
• Demonstrate judgment appropriate for level and experience.
• Either meet all deadlines created by management or clearly communicate to management the reasons the deadlines are not possible.
• Organize and prioritize multiple tasks and meet deadlines.
• Respect all team members regardless of level, role, or skill.
• Participate in team projects and activities.
• Demonstrate flexibility in accepting and adapting to change.

Educational/Previous Experience Requirements:
• Three years of experience with .NET, ASP.NET, C#
• Experience with SQL and SQL Server
• Bachelor’s Degree in a technology-related discipline.
• Requires technical knowledge, training, and understanding of job’s requirements.

Preferred Skills
• Angular JS experience

Licenses/Certifications:
• None required.

Job Technology
Primary Location US-FL-Tampa-St. Petersburg
Organization RJA Compliance Administration
Schedule Full-time
Shift Day Job
Travel No
CyberCoders Recruiting Ad (Seeking malware analyst)

I am a recruiter here at CyberCoders who specializes in placing Malware Analyst / Reverse Engineer candidates as well as similar positions in Lake Mary, FL and other locations nationwide.

I am emailing you in case you think you would be a great fit for the position listed below. Please check out the link and apply if you are interested in hearing more about the job. :)  

Also - If you refer a friend I end up placing at any of my open jobs, I will give you an iPad for the referral!

This position is for a Malware Analyst / Reverse Engineer in Lake Mary, FL.

For more details on this job or to apply simply visit CyberCoders:


Not a fit for this job? Search all of our open jobs:


You can use the link below at any time if you would like us to hold off on emails to you about new opportunities.

Thank you,

Chris

Chris Kinback | Executive Recruiter | CyberCoders

Follow Us: Facebook | LinkedIn | Twitter | View My Bio and Open Jobs
If you are a Malware Analyst / Reverse Engineer with experience, please read on!

**Top Reasons to Work with Us**

1. Rapid Growth
2. Innovative Technologies
3. Great work atmosphere

**What You Will Be Doing**

Reactive partner support and proactive threat assessment
Problem solving using a combination of data, creativity and Internet Security tools
Rapid analysis

**What You Need for this Position**

At Least 3 Years of experience and knowledge of:

- Reverse Engineering
- hex editors
- PCAP
- Technical Writing
- tcpdump

**What's In It for You**

Competitive Salary
Outstanding Benefits Package
28 Paid Vacation Days

So, if you are a Malware Analyst / Reverse Engineer with experience, please apply today!

JobID: CK1-1171427