

Kaitlynn Kruse

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OBJECTIVE

To obtain a full time position in Software Engineering upon graduation in May of 2016.

SKILLS

Programming Languages: Java, C#, C++, C, Python, PHP, MySQL, Javascript, HTML, CSS, XML, Verilog, VHDL

Operating Systems: Windows and Linux – Ubuntu, Redhat, CentOS

Development Tools: Cygwin, GitHub, TortoiseSVN, Clearcase

Development Environments: Eclipse, IntelliJ, Microsoft Visual Studio Express, Qt, Qt Designer, Android Studio, Android Eclipse Plugin, AVR Studio, Quartus, Java Swing WindowBuilder

Other Tools: Microsoft Office Tools, Smart Sheet, Balsamiq, Assembla, Clearquest

EDUCATION

Iowa State University, Ames, IA

August 2011 – Current

- Major: Software Engineering (expected graduation Spring 2016)
- Minor: Biology (completed in fall 2012)
- Current overall GPA of 3.07/4.00

Nanyang Technological University, Singapore

January 2015 – May 2015

- Iowa State Engineering Exchange Program
- Courses in Computer Engineering and an introductory Mandarin course

EMPLOYMENT HISTORY

Software Engineer Intern, General Dynamics Mission Systems, Bloomington, MN

May 2015 – August 2015

- Created C#/Microsoft Visual Studio tool to parse XML files according to schema to configure storage weapon systems
- Design included reflection of modifications and continuous validation of user inputs
- Designed unit tests to test and develop the tool's logic and GUI components

Software Engineer Intern, Fluke Thermography, Plymouth, MN

May 2014 – August 2014

- Created C++/QT GUI to integrate to existing test scripts written in Python
- GUI configured the suite of tests desired and logged test results to allow complete automation of test suites
- Design included a feature to search and upgrade the selected devices firmware

Undergraduate Teaching Assistant (Intro to C Programming), Iowa State University, Ames, IA

August 2014 – Current

- Conduct 2 lab sessions weekly consisting of 20-25 students and grade programming exercises/midterm exams
- Hold weekly office hours and attend regular meetings with the course Professor and other teaching assistants

Society of International Engineers Student Adviser, Iowa State University, Ames, IA

August 2015 – Current

- Act as a liaison between SIE and Engineering International Programs
- Attend and oversee all SIE executive board meetings, elections, and SIE events

ACTIVITIES

Society of International Engineers Student Exchange Partner and Member, Ames, IA. Since Fall 2014

Japanese Club, Fall 2015

Hackathon Participant, Spring 2014

Computer Science/Software Engineering Club, Since Fall 2014

Engineers Week Subcommittee, Spring/Fall 2013

Member of the National Society of Leadership and Success at Iowa State University, Inducted Spring 2013