

University of Iowa

Expected December 2016

Bachelor of Science in Engineering: Computer Engineering

Minor: Computer Science

Certificate: Technical Entrepreneurship

GPA: 3.5

EXPERIENCE

Rockwell Collins

June 2016 - Present

Software Engineer Intern

Worked within a team specializing in flight controls. Conducted test driven development and software verification in Python to comply with various avionics industry requirements. Worked directly with Systems and Electrical engineers to create compatible software. Completed peer code reviews, end-to-end unit tests, and used software life cycle process to turn high level project requirements into low level software.

University of Iowa Physics Department

August 2015 - Present

Student Software Engineer

Worked directly with University of Iowa engineers and researchers working on NASA's Juice Mission. Developed interactive web application using Java Server Pages, HTML5/CSS3/JS and MySQL database to manage orders, parts, and notify part constraints for assembling circuitry critical to mission. Was responsible for all front-end code and Java service layer. Project is ongoing and will resume in fall 2016 semester.

State Farm

May 2015- August 2015

Software Engineer Intern

Built web application to centralize security accesses on servers and identify irregular security access patterns. Developed iOS app during company hack day to improve system security by improving employee workstation privacy.

TranslaCare, Inc.

October 2014- May 2015

Software Developer Intern

Worked with an already existing web application to clean and improve UI/UX features. Added functionality by integrating various APIs and improving codebase.

SKILLS

Experience: Java, Web Programming,
HTML5/CSS3/JavaScript, MySQL, Arduino, C/C++

Version Control: Git, SVN

Tools: Netbeans, Eclipse, XCode

PROJECTS

-Currently starting mobile app focusing on indoor navigation to aid visually impaired persons (Prototyping University of Iowa Engineering Building)

-Developed multiple professional websites for small businesses and individuals