Frederick Grigsby

1843 Redfield Rd, Riverside, CA • (909) 223 - 8281 • fgrig001@ucr.edu

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OBJECTIVE

I am seeking an intern position with a company where I can apply my computer engineering/algorithm skills and gain experience to help solve challenging problems in industry. Secondarily, I am looking for a position that will enhance my technical skills, leadership and professionalism and lead to a full time employment opportunity.

SUMMARY

I am a 4th Year Computer Engineering Major with an overall GPA of 3.81 and an upper division major GPA of 3.83. I have an outstanding academic and employment record. I currently am a full time student and work as a part time tutor supporting my engineering department. I am eager, curious and passionate about solving challenging problems.

TECHNICAL SKILLS

Proficiency: C++

Familiarity: Embedded C and Embedded Systems Design, Linux OS, Linux systems programming, Bash,
MIPS Assembly, HTML/CSS, Python, VHDL, Circuitry and Hardware, Latex

Theory: Data Structures, Logic Design, Discrete Mathematics, Algorithms

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ENGINEERING PROJECTS

IEEE UAV - https://www.facebook.com/groups/118885211603855/?fref=nf
- Currently working with a team of students from multiple fields of study on an Unmanned Aerial Vehicle. Specifically working on using C++ and OpenCV to interface with a camera and GPS for geotagging points of interest.

Quadcopter Control System
- Led a team of 4 students in building a quadcopter control system based on an Arduino Uno prototyping board.

Space Warrior Embedded System - https://www.youtube.com/watch?v=xb_v3gRNgfs
- Designed and built a 2 dimensional, embedded system game using an ATmega1284 microcontroller. Displayed the game state in an 8x8 LED matrix and maintained synchronous behavior by utilizing synchronous finite state machines.

PROFESSIONAL ACTIVITIES

Webmaster, Association of Computing Machinery, UCR   June 2014 - Present
- Currently working on rebuilding the club's website using Jekyll, HTML and CSS. Also involved in setting up and running club meetings, programming competitions and computer science workshops for the benefit of the student body.

Member, Institute of Electrical and Electronics Engineers, UCR   September 2014 - Present
- Involved in the club's UAV project and regularly attend meetings.

EMPLOYMENT & LEADERSHIP EXPERIENCE

Supplemental Instruction (SI) Leader,   August 2014 - Present
- My duties include working with the faculty to provide assistance and mentorship to students in historically difficult computer science courses.

EDUCATION

University of California, Riverside   2013 - Present
  Expected Graduation Fall 2015 - B.S. Computer Engineering
Riverside City College   2010 - 2013
California State University, Fullerton   2009 - 2010

REFERENCES: Available upon request.