anne loverso

www.anneloverso.com

for full contact information:

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SKILLS AND QUALIFICATIONS

Software Development experience: Python, git, C, MATLAB, ROS, Java, C++, Arduino, HTML, CSS
Debugging: Problem solving skills and experience with Valgrind and GDB
Composition skills: Adobe Creative Suite, LaTeX, SolidWorks
Basic Machine Shop Training: drill press, band saw, sander, MIG welding
Nontechnical: Public speaking and presentation skills. Team-driven project experience in Agile and scrum frameworks. Self-starter, independent worker, fast learner, leadership experience.

EXPERIENCE

Red Hat Software Engineering Intern

WESTFORD, MA – SUMMER 2014

Worked on an Agile-style sprint team writing C code for Project Atomic that intersected and built off others' projects, making significant contributions to the open source community. New experience in Linux development, meeting corporate standards, working independently within a team, and adapting to new coding environments.

FrisbE: the Engineering App for Kids

SOFTWARE DESIGN PROJECT – SPRING 2014

A six-week team project to build a python-based app to teach engineering to children. Gained experience in Python, git, teamwork with split roles, leadership, and peer teaching.

Building a 3D Scanner with Infrared Imaging

REAL WORLD MEASUREMENTS PROJECT – SPRING 2014

A six-week team project with the goal of using an infrared sensor and an Arduino to create a 3D digital scan of an object. Subsequently presented the project at a Makerspace science fair. Gained experience in MATLAB, mechanical design, Arduino, and circuit debugging.

Engineering Education Research with Professor Yevgeniya Zastavker

RESEARCH WITH CREDIT – FALL 2013 - PRESENT

Conducting research in engineering education, focused on studying what motivates students to pursue teaching-related careers during and after their time at Olin College. Co-presented a research paper at the IEEE Frontiers in Education 2014 Conference in Madrid.

Course Assistant: Modeling and Simulation

ON-CAMPUS JOB – FALL 2014

Course assistant for a first-year MATLAB-based modeling and simulation class. Gained experience in MATLAB, teaching, helping others debug code, pair programming, and organizing homework, grading, and tutorials for students.

Human Powered Vehicles – Subteam Leader

STUDENT ORGANIZATION – FALL 2013 - PRESENT

Olin team building bikes for national competition. Subteam leader focused on creating an automatic shifting bike transmission.

EDUCATION AND COURSEWORK

Franklin W. Olin College of Engineering — Graduating May 2017
Candidate for Bachelor of Science in Electrical and Computer Engineering — GPA 3.92
Awarded 4-year, 50% Merit Scholarship

Relevant Coursework: Principles of Engineering, Computational Robotics, Discrete Math, Software Design, Real World Measurements

WORK EXPERIENCE

Red Hat, Inc. — Software Engineering Intern, summer 2014
Engineering Discovery — Volunteer extracurricular math teacher in Needham K12 schools
Olin Office of Student Life — Office Assistant, 2014 - present

HONORS AND AWARDS

Girl Scout Gold Award (Eagle Scout equivalent), National Merit Commended Student; AP Scholar; Society of Women Engineers – Highest Honors

References available upon request