# anne loverso

www.anneloverso.com

for full contact info:

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## SKILLS AND QUALIFICATIONS

Software Development experience: Python, git, C#, C, MATLAB, ROS, Java, C++, Arduino, HTML, CSS, JavaScript

Composition skills: Adobe Creative Suite, LaTeX, SolidWorks

Nontechnical: Public speaking, presentations, team project experience (Agile), self-starter, independent worker, fast learner, leadership experience.

## EXPERIENCE

### Microsoft Software Development Intern – Skype for Business

**REDMOND, WA – SUMMER 2015**

Worked on the Skype for Business People Search server team to create a diagnostic toolkit for the team to debug the status of the customer data storage system, creating a web API, a Powershell cmdlet, and a web portal. Gained experience with Powershell, working with Azure storage, using several data storage and logging tools, Windows development in Visual Studio, and writing in C#.

### Engineering Education Consultant - Insper Institute of Education and Research

**SÃO PAULO, BRAZIL – SPRING 2015**

Helped develop a new engineering program by assisting faculty, staff, and student with a variety of projects, including:

- Assisting with teaching entry-level engineering courses in modeling and Python programming.
- Writing a proposal for a 5-year computer engineering curriculum based on developing competencies & disciplines with spiral learning.
- Creating a complete curriculum and taught an 8-hour workshop on programming projects with an Intel Galileo microprocessor.

### 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. Gained experience in Linux development, meeting corporate standards, working independently within a team, and adapting to new coding environments.

### Building a Piano-Playing Robot

**PRINCIPLES OF ENGINEERING MECHATRONICS PROJECT – FALL 2014**

An 8-week team project to ingrate mechanical, electrical, and software components. My role was working on the software and creating the Optical Music Recognition software, using Python and OpenCV to parse an image file or PDF and isolate and identify notes.

### Engineering Education Research with Professor Yevgeniya Zastavker

**RESEARCH FOR CREDIT – FALL 2013 - PRESENT**

Investigating what motivates students to pursue teaching-related careers during and after their time at Olin College through qualitative research using grounded theory. Co-presented a research paper at the IEEE Frontiers in Education 2014 Conference in Madrid.

### Course Assistant: Modeling and Simulation

**OLIN COLLEGE – 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.

## EDUCATION AND COURSEWORK

**Franklin W. Olin College of Engineering** *(Awarded 4-year, 50% Merit Scholarship)* — Graduating May 2017

Candidate for Bachelor of Science in Engineering with a self-defined concentration in Computing — GPA 3.92

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

## FORMAL WORK EXPERIENCE

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|---|---|
| Microsoft Corporation | Software Development Intern, summer 2015 |
| Insper Institute of Education and Research | Engineering Education Consultant, spring 2015 |
| Red Hat, Inc. | Software Engineering Intern, summer 2014 |
| Engineering Discovery | Volunteer extracurricular math teacher in Needham K12 schools |
| Olin College 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**