Anne LoVerso

engineer. educator. designer.

www.anneloverso.com

FOR FULL CONTACT INFO:
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I build software

using my experience in Python, git, JavaScript, Java, HTML/CSS, Arduino, Ruby/Rails, MATLAB, ROS, C, and C++

to solve problems

drawing from my experiences at companies including Pivotal Labs, Microsoft, and Red Hat

and help people

from a strong human-centered design background, including projects in education and community development

SOFTWARE ENGINEER

• at **Pivotal Labs**, I grew from intern (2016) to full-time employee. I honed my skills in **full-stack development** (primarily Java, Spring framework, React, and Ruby/Rails) through a variety of consulting projects for enterprise, startup, and nonprofit clients.

• Gained proficieny in Agile Extreme Programming methods including **test-driven development** and **pair programming**.

• Consultancy role honed teaching and communication skills

TEAM LEADER

• as the **Project Manager** of my senior capstone design project in community development, I led our team in receiving over $40,000 in grants in one semester, towards creating a technology/entrepreneurship/art-focused mobile makerspace with youth and partners in Coahoma County, MS.

• Gained skills in grant writing, community organizing, communication, human-centered design, nonprofit theory, leadership, collaboration

GRADUATE

of **Franklin W. Olin College of Engineering** class of 2017 with a Bachelor of Science in **Engineering with a concentration in Computing** and a GPA of 3.92

RESEARCHER

used qualitative methods to analyze connections between academic culture, teaching, gender, and engineering, and published two academic research papers:

A. LoVerso, A. Coppola, E. Price, G. Phelps, Y. Zastavker, J.M. Goodman, *"Using reflection to identify dissonance, consonance, and interest in teaching: Comparing definitions and stories to resolve conflict."* IEEE Frontiers In Education Conference (2016) at Erie, PA.

A. Coppola, Y. Zastavker, J.M. Goodman, R.J. Christiansen, **A. LoVerso,** C. Auerswald, D. Lee, *"Making Teachers from Students: How Learning Environments May Foster an Interest in Teaching."* IEEE Frontiers In Education Conference (2014) at Madrid, Spain.

SOFTWARE INTERN

• at **Microsoft** (2015), I created an internal diagnostic tookit for the Skype for Business server team, gaining experience in Powershell, Azure, C#, and data storage and visualization

• at **Red Hat** (2014), I developed user-friendly command line interfaces for Project Atomic, an open source tool for system administrators.

TEACHER

• at **Insper Institute** (São Paulo, Brazil, 2015), I worked as an **education and curricular consultant** for the development of a brand-new undergraduate engineering program. I assisted with teaching courses, design of future courses, and created proposal for 5-year vision of the computing curriculum.

• at **Olin College**, I served as a **course assistant** for several computing courses, including: first-year MATLAB-based modeling, all-grades introductory Python, functional programming and language theory, web development in JavaScript. The job included teaching, helping debug code, grading, and facilitating tutorials

DESIGNER

• collaborated with Healthy Mothers Healthy Babies Coalition of Georgia to **design a series of development seminars** for novices in the doula practice to build confidence and business savvy. We used a systems analysis lens and user-centered design methods.

• for a semester-long team design project, interviewed doulas and midwives to create personas, identify areas of opportunity, and ideate solutions. We **designed a proposal for a birth awareness campaign** and tested with users.

PROGRAMMER

• engineered a **piano-playing robot** that reads sheet music. I wrote the software that parsed sheet music in OpenCV and Python

• created **data science** projects in **d3** visualizing congressional actions over time, and exploring US abortion regulations