

EDUCATION

University of Washington, 2020 (expected) – Seattle, WA
Master of Science: Human Centered Design & Engineering

University of Washington, Spring 2016 – Seattle, WA
User-Centered Design Certificate

Rensselaer Polytechnic Institute, Class of 2014 – Troy, NY
Bachelor of Science: Computer Science I Cum Laude

PROJECTS & EXPERIENCES

SOFTWARE DEVELOPER & UX DESIGNER Apr 2016 – Present

The Boeing Company: Boeing Commercial Airplane Analytics – Tukwila, WA

- Develop web application to aggregate analytics data using Angular 2
- Design web interface to visualize aircraft data
- Validate feature design by conducting user interviews

STUDENT UX RESEARCHER Sept 2015 – Jun 2016

University of Washington – Seattle, WA

- Surveyed university students on their emailing and project collaboration behavior
- Designed screener survey and recruited students on campus
- Designed usability study and tested the Outlook mobile application with students
- Investigated the needs of pet owners aged 60+ using these methodologies: surveys, interviews, and guided tours of senior homes
- Prototyped a service to help seniors address their pet needs based on user research data

SOFTWARE DEVELOPER Aug 2014 – Apr 2016

The Boeing Company: Aviation Services Integration Center – Tukwila, WA

- Developed simulation software for airline operations in C++
- Prototyped a mobile single page application with Node.js to demonstrate to airline customers at a fleet conference
- Designed and implemented web UI to display real-time generated data
- Led team in agile development process as Scrum Master

SOFTWARE INTERN Summer 2013

General Electric Aviation Systems – Grand Rapids, MI

- Developed software for the KC-46 aircraft in C++
- Worked in IBM Rational DOORS and with DXL scripts

UNDERGRADUATE RESEARCHER Mar 2013 – May 2013

RPI Computer Science Department – Troy, NY

- Parsed web pages for Jeopardy! questions using Python
- Wrote database from the gathered information using SQLite

COMPUTER SCIENCE I LAB TEACHING ASSISTANT Feb 2012 – May 2012

RPI Computer Science Department – Troy, NY

- Helped students work out basic algorithms
- Assisted students with programming issues in C++

VICE PRESIDENT & CO-FOUNDER Nov 2012 - May 2014

RPI Computing Club - Troy, NY

- Organized club activities and reached out to technology companies to bring in speakers
- Wrote proposal for club founding

LANGUAGES

Javascript (Typescript, jQuery, Bootstrap), HTML, CSS, Angular 2, C++, Python, SQL

ENVIRONMENTS

Visual Studio, Git (GitHub and GitLab), Photoshop, Balsamiq, JIRA