Laura Joy Erb
Software Engineer

☎ 907.854.5285 | ✉ laurajoyerb@gmail.com | 🐱 laurajoyerb | 💼 laurajoyerb

Education

Boston University, College of Engineering   *Boston, MA*

Bachelor of Science in Computer Engineering • *Salutatorian, Summa Cum Laude* • **GPA: 3.99/4.00**   *Sep 2016 - May 2020*

- **Universidad Pontificia Comillas ICAI**, Madrid, Spain – *Cultural Exchange Program Spring 2018*
- **Honors:** Dean's List, National Merit Scholar, Trustee Scholar: Merit-based award for top 20 students of 16,000
- **Affiliations:** Tau Beta Pi, Theta Tau

Skills

Technologies   C/C++, Python, Javascript, PHP/Hack, Java · Native Templates, React Native, Angular, Android Development, Unix/Linux

Courses   Operating Systems, Building Software, Software Design, Algorithms and Data Structures, Software Engineering

Languages   English (Native), Spanish (Fluent), German (Conversational)

Experience

Facebook   *Cambridge, MA*

Software Engineering Intern   *Jun. 2019 - Aug. 2019*

- Designed and individually implemented Weather for FBLite for iOS and Android in Native Templates
- Initiated rewrite beyond the project scope to refactor Weather in Facebook for iOS and Android

Pratt & Whitney   *Hartford, CT*

Quality Engineering Intern   *May 2018 - Aug 2018*

- Saved the company $15,000/year and 5 hours/week of work through summer F-135 automation project
- Earned an Eagle Award for full-time employees and bonus for exemplary engineering performance

Projects

Linux Shell

C | Operating Systems   *Oct. 2019*

- Created a linux shell implementation that tracked all forked processes and collected children processes
- Supported input and output file redirection of commands, piping of commands, and background processes

Velozity

TypeScript | Angular   *May 2019*

- Created a professional development web app utilizing chained API calls to Glassdoor, Indeed, and RezScore
- Leveraged LinkedIn API for user authentication and matching to recommended jobs from Glassdoor and Indeed

Activities

oSTEM (Out in STEM)   *Boston, MA*

President & Founder   *Sep. 2018 - May 2020*

- Founded organization to empower LGBTQ+ students in STEM to succeed personally, academically, and professionally

Hack4Impact   *Boston, MA*

Technical Programmer   *Sep. 2018 - Dec. 2019*

- Coordinated comunication to nonprofits to give aid in the form of software, web development, and technology strategy
- Developed an app for data analytics regarding human trafficking trends for HAART Kenya

Global Engineering Brigades   *El Jiote, Honduras*

Vice President (2019-20) • Brigade Leader (2018-19) • Secretary (2017-19)   *Sep. 2016 - May 2020*

- Designed and propose systems that now bring clean water to 150 homes in rural Honduran villages

Private Pilot   *Birchwood, Alaska*

200+ hours of rural flying in Alaska   *Jun. 2013 - PRESENT*

- Competed in national flying competition as the second woman ever to compete
- Inspired pilots through two newscasts, three articles, a press release, a calendar, and a promotional video