

Laura Joy Erb

SOFTWARE ENGINEER

Boston, MA

☎ 907.854.5285 | ✉ laurajoyerb@gmail.com | 📱 laurajoyerb | 🌐 laurajoyerb

Education

Boston University, College of Engineering

Boston, MA

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING • GPA: 3.99/4.00

Sep 2016 - May 2020

- **GPA: 3.99/4.00**
- **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
- **Universidad Pontificia Comillas ICAI**, Madrid, Spain – *Cultural Exchange Program Spring 2018*

Skills

Technologies C/C++, Python, Javascript, HTML, PHP, Java, LaTeX · Native Templates, React Native, Angular, Bootstrap, 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

Velocity

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

Extracurricular Activity

oSTEM (Out in STEM)

Boston, MA

PRESIDENT & FOUNDER

Sep. 2018 - May 2020

- Founded organization at Boston University by coordinating with student activity coordinators and deans
- Empowered LGBTQ+ students in STEM to succeed personally, academically, and professionally

Hack4Impact

Boston, MA

TECHNICAL PROGRAMMER

Sep. 2018 - Dec. 2019

- Coordinated communication 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

- Coordinated all fundraising, volunteering, and logistical operation for organization of 60 people
- Designed and propose systems that now bring clean water to 150 homes in rural Honduran villages

Theta Tau

FUNDRAISING CHAIR

- Professional frat stuff
- fundraising chair broke record for fundraising
- PD Panels

Boston, MA

Sep. 2018 - PRESENT

Private Pilot

200+ HOURS OF RURAL FLYING IN ALASKA

- 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

Birchwood, Alaska

Jun. 2013 - PRESENT