

# Laura Joy Erb

SOFTWARE ENGINEER

Boston, MA

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## Education

### Boston University, College of Engineering

Boston, MA

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

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

Jan 2018 - May 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

VICE PRESIDENT (2019-20) • BRIGADE LEADER (2018-19) • SECRETARY (2017-19)

- 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

## 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

*El Jote, Honduras*

*Sep. 2016 - May 2020*

*Boston, MA*

*Sep. 2018 - PRESENT*

*Birchwood, Alaska*

*Jun. 2013 - PRESENT*