Laura Joy Erb

SOFTWARE ENGINEER

Boston, MA

☐ 907.854.5285 | ✉ laurajoyerb@gmail.com | ⬚ laurajoyerb | in laurajoyerb

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

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

Extracurricular Activity

B10S (B1t 0n the Security, Underground hacker team)   *S.Korea*

CORE MEMBER   *Nov. 2011 - PRESENT*

- Gained expertise in penetration testing areas, especially targeted on web application and software.
- Participated on a lot of hacking competition and won a good award.
- Held several hacking competitions non-profit, just for fun.

WiseGuys (Hacking & Security research group)

S.Korea

Jun. 2012 - PRESENT

- Gained expertise in hardware hacking areas from penetration testing on several devices including wireless router, smartphone, CCTV and set-top box.
- Trained wannabe hacker about hacking technique from basic to advanced and ethics for white hackers by hosting annual Hacking Camp.

PoApper (Developers' Network of POSTECH)

Core Member & President at 2013 *Pohang, S.Korea*

Jun. 2010 - PRESENT

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

PLUS (Laboratory for UNIX Security in POSTECH)

Member *Pohang, S.Korea*

Sep. 2010 - Oct. 2011

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

MSSA (Management Strategy Club of POSTECH)

Member *Pohang, S.Korea*

Sep. 2013 - PRESENT

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and inisght for various industry from weekly industry analysis session.