

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

6th CodeEngn (Reverse Engineering Conference)

Seoul, S.Korea

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>

Jul. 2012

- Introduced CTF (Capture the Flag) hacking competition and advanced techniques and strategy for CTF

6th Hacking Camp - S.Korea

S.Korea

PRESENTER FOR <METASPLOIT 101>

Sep. 2012

- Introduced basic procedure for penetration testing and how to use Metasploit

Extracurricular Activity

B10S (B1t On 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

MEMBER

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)

Pohang, S.Korea

CORE MEMBER & PRESIDENT AT 2013

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)

Pohang, S.Korea

MEMBER

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)

Pohang, S.Korea

MEMBER

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 insight for various industry from weekly industry analysis session.