

# William Li

(571)-376-8782 | li.william811@gmail.com | wzl7zb.github.io

## Education

---

University of Virginia

Charlottesville, VA

*Echols Scholar, Computer Science Academic Excellence Fellowship*

Aug 2016 – May 2020

B.A in Computer Science, B.A in Mathematics

Cumulative GPA: **3.89 / 4.0**

M.S in Computer Science

Cumulative GPA: **4.0 / 4.0**

- **Coursework:** Natural Language Processing | Compilers | Machine Learning | Cloud Computing | Learning Theory | Databases | Computer Architecture
- **Teaching Assistant** for CS 6161 Design and Analysis of Algorithms, CS 4710 Artificial Intelligence

## Experience

---

Facebook

Seattle, WA

Solutions Engineer Intern

Summer 2019

- **Sped up offline conversions integrations by 3000%**, allowing marketing partners to demo integrations with the Offline Conversions Playground, and **generated 1 million new vendors** for Facebook through completion of the project.
- **Conceptualized and developed Facebook Donor Drive**, a social good product to help patients in need of bone marrow donors, potentially saves **2000 lives** annually.
- **Developed the modules and packages to protect private user data** for the data encryption and normalization algorithms used in the Offline Conversions Automated Uploader and the Server to Server Signals Uploader.
- **Deployed core functions in the ReasonML standard library** to improve workflows of all Reason developers at Facebook.

Data Works Inc.

Reston, VA

Software Engineer Intern

Summer 2018

- **Prototyped the new standard for data monitoring at Data Works** by building the analytics engine for process error severity and anomaly detection.
- **Improved the workflow of hundreds of Data Works engineers and clients** with practical data monitoring tool.

## Projects / Honors

---

Facebook Global SE Hackathon: Oncall Bot (Overall 1<sup>st</sup> Place)

Summer 2019

- Developed machine learning analytics engine using natural language processing for the Oncall Bot, a Messenger Bot written in **PHP** that assigns an appropriate Oncall team to a blocked task based on associated text, helps the Escalations Engineering team at Facebook triage critical issues **~2 days faster**.

Eleven

Summer 2019 – Present

- Building a suite of Alexa skills using **Node.js** on **AWS Lambda** to study & enrich the user experience in voice gaming.

HackUVA: face-normalizer (1<sup>st</sup> Place Equality Hacks)

March 2018

- Developed an artificial intelligence data preprocessing tool to combat racism/ageism/sexism in facial-recognition datasets; normalized user faces in real-time using the CLM **JavaScript** library to create racially ambiguous faces.

International Collegiate Programming Contest Regionals

Fall 2017, Fall 2018

- Actively representing University of Virginia in the ICPC Mid-Atlantic Regional Contest

## Skills

---

**Languages:** Python, JavaScript, Java, PHP/Hack, ReasonML

**Modules / Frameworks:** React.js, ReasonReact, pandas, keras, sci-kit learn, numpy