

Weiji Li

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EDUCATION

- **University of Michigan** Ann Arbor, MI
Bachelor of Science in Computer Science & Data Science **GPA: 4.0/4.0** Aug 2019 – May 2022 (Expected)
 - **Relevant Courses:** Machine Learning(current), Web Systems(current), Computer Security(current), Algorithms, Computer Organization, Data Structures, Linear Algebra, Applied Regression(current), Probability
 - **Work:** One-on-one Tutor for Linear Algebra at Math Department
- **Rensselaer Polytechnic Institute** Troy, NY
Bachelor of Science in Computer Science **GPA: 3.96/4.0** Aug 2018 – May 2019 (Transfer Out)
 - **Relevant Courses:** Data Structures, Discrete Mathematics, Computer Organization, Multivariable Calculus

EXPERIENCE

- **Adversarial ML on Audio Speech Recognition** Remote
Research Intern May 2020 – Present
 - Conduct independent research on Machine Learning & Security. My work focuses on finding efficient digital and physical methods to attack robust speaker verification system on Kaldi. Advised by Prof. Atul Prakash.
- **Lianlian Pay** Hangzhou, China
Software Engineering Intern July 2020 – August 2020
 - Worked on a blockchain platform with financial applications; Restructured the real-time chain parse service which reduced half of the network load; Developed several data query and account verification services in chain manager.
 - Developed an online IDE in front-end page; Optimized Vue.js builds size which made the loading time 3X faster.
- **Crossmod** Ann Arbor, MI
Undergraduate Research Assistant Sep 2019 – May 2020
 - **Crossmod is a system that can auto-detect toxic comments on Reddit using ML models.** ([Link](#))
 - Deployed Crossmod on AWS with database; Implemented models' dynamic re-training and multi-thread prediction which made the prediction speed 10X faster; It can detect 50% more toxic comments compared to previous automod.
 - Built an open API for the whole system. Crossmod is now working stably on several subreddits like r/Futurology.
- **Ant Group (Alibaba)** Hangzhou, China
Software Engineering Intern Jul 2019 – Aug 2019
 - Worked on a Machine Learning Platform(PAI) by Alipay; Implemented an image classification algorithm with deep learning; Built a job builder for the whole workflow of running algorithm templates on internal GPU servers.
 - Packaged ten different algorithms as templates which have been used for 1000+ times; Wrote data preparing and data cleaning SDK in Python for users to conveniently build ML models.
 - Developed a dashboard and several webpages to manage and monitor 2000+ algorithm templates.
- **Submittty** Troy, NY
Open Source Developer Aug 2018 – May 2019
 - **Submittty is a programming assignment submission and auto-grading system from RPI.** ([Link](#))
 - Achieved features such as group assignment submission and grade analysis; Maintained the system for 1000+ users.

SELECTED PROJECTS

- **Smart Library System:** A face-recognition system for High School Library; Built with python and a camera.
- **PONG:** A redesigned and upgraded PONG video game; Won the 1st place in UCLA engineering competition.
- **Gaokaopedia:** A Wechat miniprogram like LinkedIn that connects high school students and college students.
- **AR Clock:** A Time-Management app for smartphone; Helped people tracked their time and support AR.

SKILLS

- **Programming Languages:** C++(proficient), Python(proficient), Java(proficient), JavaScript, C, PHP, Swift
- **Technical Skills:** SQL, Shell script, Unix, Pytorch, Keras, Kaldi, AWS, React, React Native, Bootstrap
- **Languages:** English, Chinese(Mandarin)