

Wei Ji Li

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Ann Arbor, MI 48105

EDUCATION

- **University of Michigan** Ann Arbor, MI
GPA: 4.0/4.0 Aug 2019 – May 2022 (Expected)
Bachelor of Science in Computer Science & Data Science, Minor in Mathematics
 - **Relevant Courses:** Computer Vision(taking), Operating System(taking), Machine Learning, Web Systems, Computer Security, Algorithms, Computer Organization, Data Structures, Linear Algebra, Applied Regression, Probability
- **Rensselaer Polytechnic Institute** Troy, NY
GPA: 3.96/4.0 Aug 2018 – May 2019 (Transferred 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 systems 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 – Present
 - **Crossmod is a system that can auto-detect toxic comments on Reddit using ML models.** ([Link](#))
 - Deployed Crossmod on AWS with a database; Implemented models' dynamic re-training and multi-thread prediction which made the prediction 10X faster; It can detect 50% more toxic comments compared to the previous automods.
 - Built an open API for the whole system; It is now working stably on r/Futurology and several other subreddits.
- **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 and they 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.

SELECTED PROJECTS

- **Submittity:** A programming assignment submission and auto-grading system at RPI; Served as a regular regular open source contributor; Achieved features such as group assignment submission and grade analysis. ([Link](#))
- **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.
- **AR Clock:** A Time-Management app; Helps people track their time and supports data visualization with 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)