Weiji Li

weijili@umich.edu

weijili.me

(+86) 182-5881-0078

1780 Broadway St #202

Ann Arbor, MI 48105

EDUCATION

- **University of Michigan** Ann Arbor, MI

  *Bachelor of Science Engineering in Computer Science & Data Science **GPA: 4.0*** Expected May 2022

  - **Relevant Courses**: Machine Learning(taking), Web Systems(taking), Computer Security(taking), Algorithm, Computer Organization, Data Structures, Linear Algebra, Applied Regression(taking), 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**(Dean's Honor List)* Aug 2018 – May 2019 *(Transfer Out)*

  - **Relevant Courses**: Data Structures, Discrete Mathematics, Computer Organization, Multivariable Calculus

EXPERIENCE

- **Adversarial ML on Audio Speech Recognition** Ann Arbor, MI

  Research Intern May 2020 – Present

  - **Machine Learning**: Conduct research on Adversarial Machine Learning. Research focuses on finding efficient methods to attack audio speech recognition ML models. Advised by Prof. Atul Prakash.

- **Lianlian Pay** Hangzhou, China

  Software Engineering Intern July 2020 – August 2020

  - **Blockchain**: Worked on a blockchain platform with financial application; Developed database management system and account authorization system in the back-end chain manager; Developed online IDE and chain data query in front-end web page; Tested the system with loan service in bank and cross border e-commerce business.

- **Crossmod** Ann Arbor, MI

  Undergraduate Research Assistant Sep 2019 – May 2020

  - **Crossmod is a system that could detect toxic incoming comments on Reddit using ML models.**
  - **Machine Learning**: Deployed the Crossmod to AWS Cloud Server; Implemented dynamic re-training on models for high accuracy; Implemented multi-thread prediction for high efficiency; Packaged the whole system as an open API. It is now working efffectively on several subreddits like r/Futurology; Advised by Prof. Eric Gilbert

- **Ant Group (Alibaba)** Hangzhou, China

  Software Engineering Intern Jul 2019 – Aug 2019

  - **Machine Learning**: Worked on a Machine Learning Platform(PAI) by Alipay; Implemented an image classification algorithm with deep learning and built the whole workflow on GPU; Packaged the algorithm as a template which has been used for 1000+ times; Wrote Python SDK for users to conveniently build ML models.
  - **Full-stack Development**: Developed a dashboard to monitor the usages and manage the algorithm templates.

- **Submitty** Troy, NY

  Open Source Developer Aug 2018 – May 2019

  - **Submitty is a programming assignment submission and auto-grading system from RPI.**
  - **Full-stack Development**: Achieved features such as group assignment submission and grade analysis; Maintained the system and fixed bugs with PHP Back-end.

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 miniprogoram that enhance communication between high school 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**: Tensorflow, Pytorch, Keras, AWS, React, React Native, BootStrap, SQL
- **Languages**: English, Chinese(Mandarin)