

# Wei Ji Li

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## EDUCATION

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- **University of Michigan** Ann Arbor, MI  
*Bachelor of Science in Computer Science & Data Science* Expected May 2022
  - **Relevant Courses:** Algorithm(EECS 281), Computer Organization(EECS 370), Data Structures(EECS 280), Linear Algebra(MATH 217), Probability(MATH 425)
- **Rensselaer Polytechnic Institute** Troy, NY  
*Bachelor of Science in Computer Science* Aug 2018 – May 2019
  - **Relevant Courses:** Data Structures, Discrete Mathematics, Computer Organization, Multivariable Calculus
  - **Activities:** Undergraduate Tutor for Data Structures at the Advising & Learning Assistance Center

## EXPERIENCE

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- **Crossmod** Ann Arbor, MI  
*Undergraduate Researcher* Sep 2019 – Present
  - **Real-time deployment of a new AI-based moderation system for Reddit.**
  - **Machine Learning:** Immigrated the Crossmod system from local machine to AWS Cloud Server; Collecting more detailed data and building a database; Implementing dynamic training and improving ML backend; Working with high efficiency and accuracy on several subreddits like r/Futurology;
- **Ant Financial (Alibaba Group)** Hangzhou, China  
*Software Engineering Intern* Jul 2019 – Aug 2019
  - **Machine Learning:** Worked on a Machine Learning Platform(PAI); Designed an image classification algorithm with deep learning and built the whole workflow for running on GPU; Packaged the algorithm as a template for other people to use; Wrote Python SDK for users to conveniently built machine learning projects.
  - **Full-stack Web Development:** Built an admin management page for the Machine Learning Platform(PAI) to monitor the usages and manage the algorithm templates with ReactJS Front-end and Java Back-end.
- **Submitty** Troy, NY  
*Open Source Developer* Aug 2018 – May 2019
  - **Submitty:** A programming assignment submission system from RCOS (An Open Source Community at RPI); Used for all CS courses at RPI; Could auto-grade and analyze students' programming homework
  - **Full-stack Web Development:** Achieved features such as group assignment submission; Maintained the system and fixed bugs with PHP Back-end.
- **HackRPI** Troy, NY  
*Co-organizer (First-year Representative)* Oct 2018 – Mar 2019
  - **The largest Hackathon at RPI with 500 participants around the US.**
  - **Tech Support:** Built the official website; Built and maintained an online live announcement board.

## PROJECTS

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- **Smart Library System:** A face-recognition system for High School Library; Achieved functionality of borrowing, returning books and validating students; Based on Python; Improved the efficiency and accuracy to 95%+.
- **PONG:** A redesigned and upgraded PONG video game; Built the game with more modes, features and visual effects; Based on JavaScript; Won the First Prize in the final competition at UCLA summer program.
- **AR Clock:** A Time-Management Web app for smartphone; Helped people tracked their time spent on different tasks in a day, a month and a year; Showed the overall statistics for people with AR.

## SKILLS

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- **Programming Languages:** Python, Java, C++, JavaScript, C, PHP, SQL, Swift
- **Technical Skills:** ReactJS, Bootstrap, Tensorflow, Keras, AWS, Microsoft Office Suite
- **Languages:** English, Mandarin