

Yinghao Liu

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SUMMARY

I'm a junior at University of Michigan, Ann Arbor majoring in Computer Science with a target graduation date in 2024. I'm looking for an internship opportunity in full stack software development.

EDUCATION

University of Michigan

B.S. in Computer Science

Ann Arbor, MI

June 2022 - May 2024

University of California, Irvine (GPA: 3.86)

B.S. in Computer Science and Engineering

Irvine, CA

September 2020 - June 2022

- Dean's List Honoree 2020 -2022, Campuswide Honors Collegium, Tau Beta Pi

TECHNICAL SKILLS

Programming languages: Python, JavaScript, HTML5/CSS3, C++, Java

Machine learning: TensorFlow, Pytorch, Keras, Scikit-learn, Pandas

Frameworks and Technologies: Spring Boot, AWS Lambda, FireBase, MongoDB, Node.js, Next.js, React.js, Vue.js, Express.js, React Native, Material-UI, Bootstrap, Figma, Git

EXPERIENCE

Pixpher LLC

Software Development Intern

Fort Wayne, IN

June 2022 – August 2022

- Implemented a full-stack mobile application projected to have 1000+ users that connects freelance photographers to customers using React Native and MongoDB
- Prototyped and iterated over more than 10 versions of front-end design on Figma with team leader and backend engineers, modified layouts to match the changing requirements
- Developed and maintained RESTful API using Express.js to enable user authentication, session scheduling and user profile settings customization
- Documented development process and curated release notes on a bi-weekly schedule

Digital Learning Lab, UC Irvine

Research Assistant

Irvine, CA

September 2021 – August 2022

- Developed a full-stack web application that incorporates Blockly API using React.js, Bootstrap React, Next.js and FireBase for 50+ elementary school students
- Onboarded AI literacy curriculum into the web application in conjunction with course planning team
- Designed the web application to export audio recording of instructions from students through TCP connections, persist in backend storage and pipe into machine learning NLP training workflow.

DoEnergy Technology Co., Ltd

Software Engineering Intern

Beijing, China

August 2021 - September 2021

- Created front-end web page that enables real-time monitoring for electric power transmission using Vue.js
- Prototyped UI using Figma and Sketch and verified design with project leader

ACADEMIC PROJECTS

ZotMeal

group project (2021)

- Collaborated with a team of students to program an iOS app of 1500+ users on App Store with SwiftUI using BeautifulSoup to parse and extract UC Irvine dining hall menu data

SENet

individual project (2021)

- Developed a SENet for object classification and tuned its squeeze and excitation block based on CIFAR-100 training data using TensorFlow and Keras

HONORS AND AWARDS

- District Event Finalist, FIRST Robotics Competition (2019)
- Best Second Overall, The Matterhorn Award, Virginia Tech Hackathon, VTHacks8 (2021)
- Best Accessibility and Empowerment Track, University of Virginia Hackathon, HooHacks (2021)