

# Ziyang Ji

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## OBJECTIVES

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To obtain full-time job related to Computer or Finance starting Summer 2021, willing to relocate

## EDUCATION

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

GPA: 3.75/4.00

- Bachelor of Science in Engineering (Honors): Computer Science, Minor in Economics April 2021
- Courses: Data Structures and Algorithms, Operating System, Embedded System, Computer Networks, Game Dev

## WORK EXPERIENCE

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**Uber Technologies Inc**, Palo Alto, CA

May 2020 - Present

*Software Engineer Intern: Safety & Risk Team*

- Created checkpoint and migrated features to report fraud after trip ends, expected to reduce \$6M/year fraud loss for Uber
- Adapted emergency system to share trip URL via SMS with trusted contacts when drivers/riders initiate SOS
- Designed 2 rules for Uber Eats to prevent restaurant fraud, fetched, computed and stored features through Cassandra
- Implemented large-scale backend pipeline that receives RPC, fetches real-time features, and returns to upstream calls

**Little Caesars**, Detroit, MI

Jan 2020 - Present

*Software Engineer Intern: Computer Vision team*

- Designed pizza quality assessment model that evaluates topping spread at 93% accuracy and clean crust at 97% accuracy
- Introduced interactive web prototype that allows employees to upload pizza pictures and obtain assessment feedback

**Jottful**, Ann Arbor, MI

Nov 2018 - May 2019

*Business Consultant Intern*

- Established financial model projecting capital expenditures and burn rates to ensure seed-stage budget fluency
- Analyzed 500+ companies and 40K+ potential client, built customer acquisition channel, increasing customer size by 300%

**Ciel Peer Tutoring Company**, Taiyuan, China

May 2017 - Sept 2017

*Founder & CEO*

- Fundraised \$4,000 in 10 days, employed 18 tutors, and promoted team cohesiveness, increasing client number in 13 days
- Gained \$10,000 monthly revenue and achieved 100% satisfaction from students in 2017 summer program

## PROJECTS

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### Instagram Clone

- Developed front-end with ReactJS; generated RESTful API with Flask to allow AJAX calls from the front-end
- Stored hashed user credentials using sqlite3 and employed Flask-Session for users to register accounts and log in/out

### Web Snake Game

- Incorporated Phaser and JavaScript to develop Snake game on web, embellished snakes with shadows and interactive eyes
- Showcased features such as mouse and arrow-key control, speed up with spacebar, death from collision and random food

### Smart Light-Seeking Bot

- Assembled servo, H-Bridge, light sensor, and ultrasonic sensor on microprocessor; utilized Verilog to configure hardware
- Programmed the robot to scan around, navigate through field of obstacles, and approach max light source

### Running App (Android)

- Designed and developed an Android running app that keeps track of running history and analyzes running data
- Integrated weather API, real-time geolocation, map direction route, pace and distance calculator, and user feed in app

## SKILLS & ACTIVITIES

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**Computer:** C/C++, Python, Java, Golang, JavaScript, Scheme, HTML, CSS, React, Flask, git, bash, AWS, Kafka, Verilog

**Certificates:** Bloomberg Market Concepts Certification, Lean Six Sigma Green Belt

**Activities:** Olive Tree Ministry (Co-founder), Michigan Hackers, Economics Investment Committee