

# HANZHENG LI

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## OBJECTIVE

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Hi! I'm Han, a software engineer in my third year at Cornell University, specializing in the mobile platform. I am currently learning more backend to deepen my full-stack mobile experience.

## EDUCATION

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### Cornell University, College of Arts & Sciences

Ithaca, NY

B.A. Computer Science, GPA: 3.8/4.0 | Dean's List (All Semesters)

May 2023 (Expected)

- Relevant Coursework: OOP & Data Structures, Discrete Structures, Functional Programming, Systems Programming, Computer Vision, Analysis of Algorithms, Machine Learning, Engineering Probability & Statistics, Linear Algebra

## EXPERIENCE

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### AppLovin

Palo Alto, CA

Mobile SWE Intern

Jun – Aug 2021

- Built UI components & notifications logic using Swift & Storyboards for user engagement iOS app MVP
- Created UI for modifying query parameters in internal Android test app, reducing testing overhead for 11 mobile engineers
- Simulated low-bandwidth HLS video server to deliver a pilot argument for reducing video ad buffer time by up to 40%

### Cornell Computing & Information Science

Ithaca, NY

Teaching Assistant – CS 3110: Functional Programming & Data Structures

Aug 2020 – Present

- Prepared 12 weekly recitations (slides & exercises) by identifying elements of curriculum needing reinforcement
- Reviewed & QA'd student projects to give feedback on code style and design patterns

### WAY (Mobile payments startup)

Remote

Software Developer, iOS Team Lead (Part-time)

Jun 2020 – Feb 2021

- Built client-facing menu editing MVP using Swift, reducing latency for new client onboarding by 75%
- Led discussions with iOS, backend, & design teams on API design and iterated new features every week for six weeks

## CAMPUS ACTIVITIES

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### Cornell App Development Project Team

Ithaca, NY

iOS Team Member

Feb 2021 – Present

- Aid in migrating team stack to SwiftUI & GraphQL by developing demo tutorial app with recently released beta features
- Collaborated on a pod of 10 developers, designers, & marketers to create a food social media platform proof-of-concept app

### Global China Connection

Ithaca, NY

Member

Feb 2021 – Present

- Partake in 10-week intensive professional development series to gain key soft skills such as public speaking, teamwork, & presentation skills & learn about various industries through weekly workshops, speaker panels, coffee chats, and case studies

## PROJECTS & RESEARCH

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### Omakase (<https://bit.ly/3k4Ly8T>)

Dec 2020 – Present

- Building an iOS app using Swift, Firebase, and Yelp Fusion API that recommends restaurants based on real-time group voting

### Physics Modeling & Simulation (<https://bit.ly/3z1F015>)

Jun 2017 – Nov 2017

- Formulated a geometric model to analyze conductivity gradients in cellular metallic foams using ANSYS AIM's geometric conductivity simulation tools, correcting a mathematical omission in the existing literature
- Presented findings at the Nov 2017 International Mechanical Engineering Conference & Expo as the only high school student

## SKILLS

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**Programming** Java, Python, Swift, OCaml, LaTeX

**Libraries** SwiftUI, androidx, Flask, SQLite, NumPy

**Applications** XCode, Android Studio, VS Code, Git, Figma, Charles Proxy

**Interests** Singing, R&B music, sustainable fashion, anime, films