

# Zhexiang (Bruce) Li

USC · Computer Science

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## EDUCATION

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### University of Southern California (USC)

B.S. in Computer Science · GPA 3.62/4 · Aug 2023 – May 2026

### University of California, Santa Cruz (UCSC)

B.S. in Computer Engineering · GPA 3.97/4 · Sept 2021 – Jun 2023

### American Heritage School (Boca Delray, FL)

2019 – 2021 · Secondary Education (Grades 11–12)

### Dulwich International High School Suzhou

2018 – 2020 · Secondary Education (Grades 10–11)

### Standardized Tests

GRE 162 · 170 · 4.0 · June 3, 2025

## EXPERIENCE

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### AI Intern — Piezolabs

Jun 2025 – Jul 2025

- Used AI to analyze medical malpractice databases and conduct competitive analysis.
- Deployed AI utilities and assisted with testing experimental materials.

### Assistant to CEO — Haoan Health

Hangzhou, China · Jun 2024 – Aug 2024

- Rotated across departments; helped build internal platform on NetEase Codewave.
- Recruited engineers; drafted program structure and interfaces.

### Investment Decision-making — GUDU MEDICAL

Singapore · 2021 – 2025

- Visited 10+ med-tech startups; interviewed executives; voted on investment decisions.
- Analyzed China/US trends in digital health and diagnostics.

### Application Engineer Intern — Synaptics

San Jose · Jun 2023 – Aug 2023

- Tested product firmware; built ESP32 + Ali Cloud pipeline for multi-protocol data.

## PROJECTS

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### CNN Deep Fake Face Detection

Feb 2025 – Apr 2025 · Accuracy 99%

### TradeViewer

Oct 2024 – Dec 2024 · Team lead

### transparentWindow

Open-source utility

- Make web pages transparent on demand; simple and fun to try. [GitHub](#)

### miniQUANT

Personal quantitative trading practice

- Exploratory repo for strategies and backtesting. [GitHub](#)

## PUBLICATIONS

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### Game theory in companies: A program-approach to find all Nash equilibria in games with two players

Li, S., Li, Z., & Liu, Z. (2023) · Advances in Economics, Management and Political Sciences, 16(1)

- Models launch timing, trailer timing, and platform choice as payoffs; computes all Nash equilibria (Gambit + Python) to derive profit-maximizing release strategies.
- Advised by Prof. Ming Gu (UC Berkeley).

### **PreScored HyperAttention**

Oct 2024 – May 2025 · Target conference: NeurIPS

- Pre-scores key intervals and applies selective attention to reduce attention complexity while maintaining accuracy.
- Advised by Prof. David P. Woodruff (CMU).
- Code: [prescored-transformer](#)

## **AWARDS**

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### **Viterbi Dean's List**

Fall 2024 – Present

### **VEX Robotics Asia-Pacific Championship — Champion**

Middle School Division · 2015

### **VEX Robotics Asia-Pacific Championship — Champion**

High School Division · 2017

## **ACTIVITIES**

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### **USC Badminton Club**

Member · Academic Year 2024–2025

### **TIE Hub Startup Hackathon (5-day workshop)**

Participant · Sep 2025

- Ideated a startup concept over five days and built a working demo; collaborated on venture design and pitch.

## **TEACHING & MENTORSHIP**

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### **Teaching Assistant — Intro to Machine Learning (UCSC)**

Spring 2023 · Prof. Lise Getoor

### **Assistant Coach — VEX Robotics & Olympiad in Informatics**

Shanghai Bosidi Education · 2014 – 2018