

# Owen Cai

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## Education

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### Texas A&M University

BS Computer Science, Engineering Honors (GPA: 4.0)

College Station, TX

May 2027

**Selected Coursework:** Data Structures and Algorithms, Discrete Mathematics, Program Design, Linear Algebra

## Experience

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### Switchless LLC

Backend Software Engineer

January 2025 - Present

College Station, TX

- **Selected to present** for Backend Software Team at weekly company meeting due to **outstanding performance**
- Implemented **smart home automation database** w/ **SQLite**, saving users many hours manually running tasks
- **Fixed bug** preventing QR code authentication system from working

### Aggie Competitive Programming Club

Web Developer

January 2025 - Present

College Station, TX

- Developed **promotional websites** for semesterly competitive programming contests
- Developing internal system to track problems solved, facilitating prize distribution

### Engineering TA Organization

Web Developer, Social Officer

November 2024 - Present

College Station, TX

- **Co-programmed** winter final exam reviews page, providing development feedback along with UI design
- **Coordinated events and promotions** to target freshman engineering students demographic

### TAMU Chinese School

Programming Teacher

January 2025 - Present

College Station, TX

- Teaching a class of 16 students **programming logic** and game development through Scratch
- Prepared weekly slideshows to aid in instruction
- Designed **rewards system** to promote class engagement and **problem-solving**

## Projects

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### Magical Menu

November 2024 - Present

- React Native app to display TAMU dining hall menus, **80 downloads** in first month
- Created custom REST API for server-side cache; Accelerated loading times by up to **2133%**
- Ignored redundant API responses, **fixing bug** where rapidly switching mealtimes broke official app/website
- Implemented favoriting system to allow users to mark food of interest

## Honors

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### CodeForces (Competitive Programming, Like USACO)

1317 Rating (Top 30%)

November 2024

### National Merit Foundation

National Merit Scholarship Finalist

May 2024

### USA Computing Olympiad

USACO Silver Division

January 2023

## Skills

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Asynchronous Programming, REST API, Version Control (Git), Java, Python, React Native, React, TailwindCSS, C++, Multithreading, AWS, NoSQL, JavaScript, HTML, CSS, SQL, Microsoft Azure, Vultr, IntelliJ IDEA, PyCharm, Visual Studio Code, Microsoft Office, Machine learning, pandas, scikit-learn, NumPy