

# James Liu

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## EDUCATION

### University of California, Los Angeles (TRANSFER)

B.S. in Math of Computation

Los Angeles, California

Exp. Grad Jun 2027

### University of California, Santa Cruz

B.S. in Computer Science (GPA: 4.00/4.00)

Santa Cruz, California

2024-2025

- **Related Coursework:** Software Development, Python Programming Modules/Libraries, Object Oriented Programming, Data and Control Structures, Algorithms, Computer Systems and Assembly Language; Calculus I-III; Linear Algebra, Ordinary Differential Equations; Discrete Mathematics

## EXPERIENCE

### Lasik Eye Center

Data Analyst Intern

Buena Park, California

July 2023 - Dec 2023

- Digitized 5000+ medical patient files, storing scheduled appointment info and prescription into center's database
- Developed Python script utilizing pandas, gspread, and pdfplumber module to efficiently store and backup 1000+ patient data .pdf files exported database -> Google Sheets, enhancing data accessibility and searchability

## PROJECTS

### Chef Cow AI | React, JSX, TailwindCSS, Netlify, Huggingface Interface | <https://chefcowai.netlify.app/>

- Engineered 100% client-side state management using React Hooks
- Leveraged LLM prompt-engineering with MistralAI with HuggingFace to dynamically generate personalized recipes
- Deployed to production with Netlify pipeline, ensuring fast and reliable delivery

### Reduce Carbon | React, JSX, TailwindCSS, Netlify | <https://reducecarbonn.netlify.app/>

- Integrated Google Maps API for real-time geolocation; Connected to Climatiq API to calculate CO<sub>2</sub> emissions
- Achieved accurate emissions for 10+ vehicle types (electric, hybrid, gas, public transit)
- Processed 100+ route inputs during testing with consistent performance

## ACTIVITIES

### SchoolHouse.world Online Tutoring

Tutor for SAT Math, AP Calculus I and II

May 2023 - Aug 2023

- Tutored 40+ learners across the world through hosted bootcamps/sessions
- Organized a tailored curriculum to enhance learners' knowledge and address individual challenges
- 100+ Ratings: <https://schoolhouse.world/transcript/b794c5a4-064f-4314-9ea7-77b36c6d4b28?limitFeedback=8>

### Video-Editing/Thumbnail/Website Agency

Freelancer <https://zhidesign.carrd.co/>

Dec 2023 - Current

- Gained over 8,000,000+ views to optimize client's social media brands
- Used Premiere Pro to edit videos, Photoshop for Thumbnail Design, After Effects for Motion Graphics
- Developed responsive websites for e-commerce brands using Figma, Framer, React, HTML/CSS/JS,

## SKILLS

**Languages:** Python, Java, C, C++, HTML, CSS, JavaScript, TypeScript

**Frameworks & Libraries:** TailwindCSS, Next.js, React.js, Bootstrap

**Developer Tools:** Git, Github, VS Code, Netlify, Vercel