

# Charlie Weinberger

310-927-9624 | [charlieweinberger05@gmail.com](mailto:charlieweinberger05@gmail.com) | [linkedin.com/in/charlie-weinberger](https://www.linkedin.com/in/charlie-weinberger) | [github.com/charlieweinberger](https://github.com/charlieweinberger)

## EDUCATION

---

### University of California, Irvine

Irvine, CA

*Bachelor of Science in Computer Science*

*Sept. 2023 – June 2026*

- 3.66 GPA
- Relevant Coursework: Data Structures, Database Management, Computer Organization, Software Engineering, Programming in C++, Programming in Python, Linear Algebra, Discrete Mathematics, Statistics

## EXPERIENCE

---

### Software Engineering Fellow

July 2024 – September 2024

*Headstarter*

*Remote*

- Built a pantry tracker, AI chatbot, AI flashcard application, and RAG chatbot application
- Learned several new languages/frameworks, including React, Next.js, TypeScript, Tailwind CSS, and Firebase
- Completed mock interviews, networking events, and a hackathon, and began a final project

### Data Labeler

April 2024 – August 2024

*FieldAI*

*Remote*

- Annotated 3-dimensional LIDAR point clouds by identifying various terrains, vegetation types, and obstacles
- Helped train machine learning models within autonomous vehicles to better detect objects

### Investment Intern

June 2024

*Beach Point Capital Management*

*Santa Monica, CA*

- Conducted market research and presented on the current state of the data center and semiconductor sectors
- Managed a simulated investment portfolio, learning about stocks, options, and various investment strategies

### Summer Research Connection Intern

Summer 2022

*California Institute of Technology*

*Pasadena, CA*

- Developed a program to build a mosaic of the Milky Way Galaxy with an overlay of astronomical data
- Created a python program using IPAC's Montage image mosaic engine in Vim
- Collaborated with professors on research project by quickly adapting to Caltech system

## PROJECTS

---

### Sigmath Multiservices | *React, React Native, TypeScript, Tailwind CSS, Firebase*

August 2024 – Present

- Developing a full-stack website and mobile app for a tutoring company in Minneapolis
- Allowing students to practice math lessons through activities such as interactive quizzes
- Providing various app views for students, parents, and teachers alike for customized experiences
- Following Agile methodology for project management, including a Kanban board

### Marlin | *React, Vite, TypeScript, Tailwind CSS*

October 2024 – Present

- Created an LLM-powered chrome web extension that detects phishing attacks in emails
- Designed and implemented the web interface of the extension popup, ensuring a concise overview of risk assessment
- Won 3rd place in the Cybersecurity track out of 300+ participants at Cerebral Beach Hacks

### ScheduleMonkey | *React, Next.js, TypeScript, Tailwind CSS*

August 2024

- Created an application that allows users to create Google Calendar events using just their voice using AI
- Designed a monkey-themed interface with a custom color scheme, background, and icons, to create a playful vibe
- Was a finalist (top 20) team out of 800+ participants in the first Headstarter hiring hackathon

## TECHNICAL SKILLS

---

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

**Frontend:** React, Next.js, Vite, Tailwind CSS, React Native, Expo

**Backend/AI:** Node.js, Firebase, Supabase, MySQL, Groq

**Developer Tools:** Git, GitHub, Vim, Notion