

# Gavin Milligan

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## EDUCATION

### University of California, Irvine

Graduating In March, 2026

*B.S. in Software Engineering*

- **Courses:** Data Structures, Algorithms, Object-Oriented Programming, Computer Architecture, Computational Linear Algebra, Software Testing & Quality Assurance, Software Design, Boolean Logic & Discrete Mathematics

## EXPERIENCE & LEADERSHIP

### Myfye.com

Irvine, CA

*Co-founder, Full Stack & Blockchain Engineer*

*July 2025 - Present*

- Created a banking dApp with Solana, focused on Web-3 abstraction and tokenized RWAs, such as U.S. Treasury bills and stocks (Apple, Google, etc), securing the win and **\$10,000** prize at the Solana Colosseum Hackathon
- Developed sponsored transactions by creating a transaction object, sending it to a secure backend for signing, and then back to the frontend to be signed again by the users' embedded wallet, eliminating users' need for SOL
- Engineered on-chain swap solutions with Jupiter to deliver a highly optimized interface, achieving an average **2.5** second swap with a seamless one-click experience
- Built an on/off ramp using Paypal, Privy and Coinbase Onramp

### NinjaTrader

Chicago, IL

*Software Engineering Intern*

*May 2025 - July 2025*

- Created an automated workflow that generates test cases for JIRA tickets by aggregating context from internal systems, reducing human effort from **1** hour of manual work to under **2** minutes with low-cost AI agent calls
- Engineered robust, general purpose, API endpoints to be used as internal tools for automation that have been adopted by more than **10** software engineers
- Developed end-to-end automated tests for the client application using Playwright integrated with an MCP server integrated with CI/CD pipelines

### Blockchain At UCI

Irvine, CA

*Technical Lead*

*June 2024 - May 2025*

- Engineered the Web3 architecture for a decentralized rental marketplace, integrating Base and Coinbase Smart Wallet via the Coinbase Developer Platform, securing a victory at the Eigen Games EthDenver 2025 hackathon
- Managed open source GitHub repositories by assigning tasks, reviewing code, approving pull requests, and overseeing branch management for a team of **12** developers
- Coordinated over **30** technical interviews and made strategic hiring decisions

### Coder School

Irvine, CA

*Code Coach*

*August 2024 - January 2025*

- Taught *Python, C++ and HTML/CSS* to students grades 1-10, creating lesson plans to match their skill levels and provided 1:1 support to address challenges and improve understanding

## PROJECTS

### FinFriend.com | Swift, Kotlin, Javascript, Bitcoin

*October 2022 - August 2023*

- Built a create-your-own-currency platform for iOS, Android, and the web that has made over **\$1,000** in revenue and has seen over **100** free trial currencies launched
- Engineered a digital asset exchange with advanced computer science techniques that has traded **\$5,000** in volume

### Bitcoin Node | Linux, Bitcoin

*June 2022*

- Built a Raspberry Pi from scratch, installed the Linux operating system, and have been actively supporting the Bitcoin network for over since 2022

## SKILLS

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

**Tools / Frameworks:** AWS, Google Cloud, REST API, React, Redux, NPM, Git, MongoDB, NodeJS, Solana, Bitcoin, Ethereum