Gavin Milligan

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EDUCATION

University of California, Irvine   *B.S. in Software Engineering*   **Graduating In March 2026**

- **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**

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 gas
- Engineered on-chain swap solutions with Jupiter and created a user friendly interface, achieving an average **1.5** second swap with a seamless one-click experience
- Built an on/off ramp using Paypal, Privy and Coinbase Onramp

NinjaTrader (Acquired by Kraken)   **Chicago, IL**

Software Engineer Intern   *May 2025 - July 2025*

- Created an automated workflow leveraging AI that generates test cases for new PRs 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
- Built AI agents with Playwright and MCP to scan and standardize DOM structures, creating reusable maps, and validate user credential and financial workflows integrated into CI/CD pipelines

Blockchain At UCI   **Irvine, CA**

Technical Lead   *June 2023 - 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 since 2022

SKILLS

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

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