Gavin Milligan

Irvine, CA | (760) 413-8710 | gdmillig@uci.edu | Portfolio | LinkedIn | Github

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

Blockchain At UCI   **Irvine, CA**

Technical Lead   *June 2024 - Present*

- 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

NinjaTrader   **Chicago, IL**

Software Engineering Intern   *May 2025 - July 2025*

- Created a Jira-triggered workflow that automatically generates Zephyr test cases by aggregating internal systems, reducing QA effort from **1** hour of manual work to seconds with low-cost AI agent calls
- Developed end-to-end automated tests using Playwright integrated with the MCP server, establishing testing standards for a new initiative adopted across the QA team
- Engineered robust, general purpose, API endpoints to streamline internal tool integrations with Slack, Jira, and Zephyr, improving automation for the future of the company

Myfye.com   **Irvine, CA**

Co-founder, Technical Lead   *April 2024 - June 2025*

- Created a banking dApp focused on tokenizing real world assets, such as U.S. Government Treasury bills securing the win at the Solana Colosseum Hackathon
- Engineered on-chain swap solutions with Jupiter to deliver a highly optimized user experience, achieving an average **2.5** second swap with a seamless one-click experience
- Developed sponsored transactions and swaps, eliminating fees for users
- Built an on/off ramp using BlindPay, serving the US, Mexico and Brazil

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 **3** years

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