

ANDREW VAHIDY

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EDUCATION

University of Southern California

Los Angeles, CA

Bachelor of Science in Computer Science

Aug. 2021 - May. 2026

Coursework: Algorithms, Data Structures, Software Engineering, Computational Theory, Embedded Systems & Design, Web Development, Discrete Math, Computer & Network Security, Computer System Design, Probability Theory, Linear Algebra, Operating Systems, Professional C++, Cryptography, Artificial Intelligence

Involvement: National Society of Hispanic Engineers, ColorStack

Skills: Java, C++, Python, SQL, JavaScript, TypeScript, HTML, CSS, Kafka

Frameworks: React.js, Next.js, Three.js, Express.js, node.js, Spring Boot, Firebase

Summary of Abilities: CLI, Git, Google Cloud, MongoDB, AWS, CI/CD, Docker, SDLC, Agile, Scrum, System Design, API Development, Test-Driven Development (TDD), Data Analysis, Logic Design, Cross-Platform Applications, Scalability Optimization, Software Architecture, Full Stack Development

EXPERIENCE

Scale AI

Remote

AI Software Engineering Contributing Intern

Jun. 2024 - Jan. 2025

- Revamp data labeling and QA protocols, combining automated scripts with manual oversight to cut review time by 20%
- Serve as a technical contributor for the core data platform, optimize API performance by 10% and handle 100,000+ inputs
- Evaluate performance of existing codebases, implement optimizations of AI-services, increase efficiency by 30%

Pacific Investment Management Company (PIMCO)

Newport Beach, CA

Software Engineering Intern

Jun. 2023 - Aug. 2023

- Develop Reporting Dashboard with API Backend in Java, Spring, and SQL for risk compliance, reduce deployment time by 50%
- Create automated email system in Python and SQL for analysis by business and engineering, optimize workload balance by 20%
- Oversee SharePoint of 10 domestic and international business accounts, securing communication for EMEA, APAC and USA

Codepath

Remote

Intensive Software Engineering Program Participant

Jun. 2022 - Aug. 2022

- Master Hash Tables, Arrays, Linked Lists, Binary Trees, Heaps, Graphs, System Design, Binary Search, Breadth First Search, Depth First Search, Merge and Quick Sort, Recursion, Combinatorics, Dynamic Programming, Backtracking, Greedy Algorithms
- Top 3 Performer in the advanced software engineering cohort, placed in 99th percentile enabling access to leadership resources

Endocanna Health

Los Angeles, CA

Software Engineering Intern

Feb. 2022 - May 2022

- Design a web scraper in Java to populate an SQL database and parse biomarkers from online resources for research operations
- Oversee centralization of data collection by integrating scraped database into existing databases, improving efficiency by 80%
- Operate Python Scikit-Learn machine learning models to enhance genetic testing accuracy, improving gene match rates by 97%

PROJECTS

StockTrader (Java, MultiThreading, Web3 Integration, Finnhub API)

- Develop a multi-threaded stock trading platform in Java with real-time price tracking via Finnhub's Public API
- Integrate cryptocurrency trading functionality using Web3 APIs, allowing real-time crypto trades alongside traditional stocks

Trojan Chats (Java, MongoDB, React.JS, CI/CD, Google Cloud, Firebase, Spring, REST API)

- Built a multi-layered social networking platform for USC students using React.js, Java, Spring, and MongoDB
- Design a CI/CD pipeline with GitHub Actions for automated testing and deployment
- Host frontend services on Firebase, connecting to a Google Cloud-based backend REST API

EDMA (Electronic Dance Music Association at USC, President and Social Chair)

- Organize academic workshops with industry leading brands: Pioneer DJ (AlphaTheta), 6AM Group, EDM Identity, Insomniac
- Oversee a community of 700 members, lead an executive team of 5, and helped Founder establish USC's first EDM organization
- Collaborate with Lab54 to host a secret industry event featuring *Galantis*, establish professional relationship with their agents