Matthew R. Stoffel

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Education

Bachelor of Science in Computer Science Minor in Mathematics
➢ San Francisco State University, Expected May, 2025

Skills

Programming Languages:	Java, C, C++, Objective-C, Python, Go, Lua, Swift
Developer Tools:	Git, Agile, CI/CD, GitHub Actions, AWS, Terraform, Docker, Ansible
Databases:	PostgreSQL, MongoDB
Frameworks:	PyTorch, OpenCV, SwiftUI, Flutter
Embedded Systems:	Raspberry Pi, Arduino, ESP32, UART, I2C, SPI

Experience

Consultant   **San Francisco, California**
Full Stack IOS Developer   **Mar 2021-present**

➢ Independently developed and designed iOS applications for all aspects from coding to artwork creation.
➢ Collaborated closely with clients to conceptualize and build in-house apps tailored for internal deployment across their organizations.

San Francisco State University   **San Francisco, California**
Grader, Operating Systems   **Feb 2024-present**

➢ Graded assignments and projects, providing feedback on system-level programming assignments.
➢ Gained exposure to diverse codebases, analyzing both well-structured and poorly written code, offering insights into best practices for code optimization and efficiency.

Class Project – Chai Solutions   **San Francisco, California**
Team Lead / Software Developer   **Aug 2024-Dec 2024**

➢ Led a team of students to create an airport navigation and flight delay notification application for travelers during layovers.
➢ Designed and implemented a Go backend with a PostgreSQL database and a Flutter frontend.
➢ Managed CI/CD pipelines with GitHub Actions for automated testing and deployment.

U.S. Navy   **Norfolk, Virginia**
Fire Control Technician   **Jan 2011-Jan 2016**

➢ Worked with critical systems such as MK-48 Torpedoes, Tomahawk missiles, and AN/BYG-1 fire control systems.
➢ Diagnosed and resolved a critical system failure on the Tomahawk control system at sea by reinstalling Linux without external support, preventing months-long deployment delays.
➢ Managed training and operations for a work center overseeing equipment valued over 5 million dollars.

Johnson Controls   **San Francisco, California**
Fire Alarm Technician   **Mar 2016-May 2020**

➢ Programmed and installed fire alarm panels, and worked with networked fire alarm systems.
➢ Developed automation scripts to integrate fire alarm systems with HVAC and elevator systems, ensuring compliance with safety standards.
➢ Managed technical documentation, including reports for installations and compliance with building safety codes.

Personal Projects

Stock Prediction Model
➢ Developed a stock prediction model that uses sentiment analysis of news and historical price data to predict stock trends.
➢ The bot was built with Python and integrated NLP for sentiment classification using BERT.

Homelab with Docker and OpenWRT
➢ Built a comprehensive homelab running multiple services in Docker, including a personal DNS server, network management, and OpenWRT for home network segmentation.
➢ Set up VLANs for segregating IoT devices from other networked systems, enhancing security.

Raspberry Pi Projects
➢ Developed a home security system using Raspberry Pi and OpenCV for motion detection.
➢ Wrote a custom GPIO library for better control and automation of connected devices, optimizing performance.