

Allston Fojas

✉ allstonfojas@gmail.com

in <https://www.linkedin.com/in/allston-fojas>

📄 <https://allstonf.github.io/>

Experience:

Apple | Systems Software Engineer, Core OS Power and Performance July 2022-Present | Cupertino, CA

- Led end-to-end design and implementation of telemetry for a next-generation WiFi/Bluetooth chipset, enabling quantitative battery performance comparisons against prior chipsets across large device fleets
- Drove cross-functional alignment with WiFi, Bluetooth, Privacy, logging infrastructure, & analytics teams
- Implementing on-device telemetry pipelines in Objective-C/C++ for iOS, macOS, and watchOS devices
- Designing and executing large-scale data analysis workflows using Python, Jupyter, and Spark
- Building agentic AI workflows to drive more efficient implementations and investigations of key metrics

Cisco | Software Engineer Aug 2020-June 2022 | San Jose, CA

- Developed performance test scripts with Python & ran tests in my team's cluster with Kubernetes
- Implemented unit tests to my team's services using Go and Git and performed CI/CD using Jenkins
- Built custom data visualization dashboards with Grafana & analyzed logs using Kibana for my tests
- Cut manual triage of recurring test failures by correlating performance metrics using Grafana with service logs using Kibana

VIZIO | Data Engineer Intern June 2020-Aug 2020 | San Jose, CA

- Created a location weather API to curate product recommendations that show up on a VIZIO TV
- Developed the API and product recommender system with Python, Pandas, scikit-learn, and Scrappy

American Express | Software Engineer Intern June 2019-Aug 2019 | New York, NY

- Replaced \$1M vendor relationship by creating an Excel file normalizer to standardize formatting
- Worked cross-functionally with Product Managers and the Business team to meet the business use case

Education:

University of California San Diego | GPA: 3.52/4.0 June 2020

B.S. Data Science | Provost Honors – SP 2017 & 2018, WI/SP/FA 2019, WI & SP 2020 La Jolla, CA

Relevant Courses: Data Structures & Object-Oriented Design, Algorithms, Software Engineering IoT Apps, Recommender Systems and Web Mining, Machine Learning, Data Science Capstone - Genetics Domain, Data Science for COVID-19, Systems for Scalable Analytics, Data Management, Data Visualization

Projects:

Waypoint - Agentic AI Trip Planner | <https://waypoint-manifest.butterbase.dev/> May 2026

- Orchestrator dispatches agents using Claude API & Perplexity Computer to create a trip itinerary
- Presented at the Andreessen Horowitz office in SF for the a16z, Overshoot, Fal, & Mux Video hackathon

Research Vault - AI Pipeline & PKM | <https://allstoncodes.github.io/research-vault-showcase/> April 2026

- Custom Python ingestion & LLM enrichment pipeline feeding a hybrid RAG layer for efficient info queries
- Used LanceDB vector embeddings, BM25, RRF & Markdown and HTML artifacts as ground truth

Predicting Disease Risk | https://github.com/allstonf/predicting_disease_ml Apr 2020-June 2020

- Got accuracies of 0.91, 0.89, & 0.88 for Coronary Artery Disease, Alzheimer's, & Diabetes with a model
- Used Python, Pandas, NumPy, scikit-learn, Matplotlib, and Seaborn to predict disease risk for 3 diseases

Meta / Facebook Data Challenge 2019 | https://github.com/allstonf/facebook_data May 2019

- Recommended that the Hayes Valley and Haight-Ashbury area is best suited for a retail-based business
- Used Python & Folium to create a heat map of SF population density, income, & business demographics

Skills:

Programming Languages: Python, Objective-C, C++, SQL, Swift, JavaScript, HTML, CSS, Java

Development Tools: Git, Jupyter, Spark, Streamlit, Tableau, Jenkins, Kubernetes, Convex, Vercel, Bash

AI Agent Tools: Claude Code, Codex, LangGraph, Claude API, OpenAI API, Gemini, MCP, OpenCode, Pi