

Josh Holman

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Education

Bachelor of Science in Computer Science, Minor in Mathematics

California State University, Fullerton

August 2023 - December 2025

Technical Skills

Programming Languages: Python, C++, C, Java, Go, Typescript, Lua, bash, SQL

Technologies: Gin, Django, FastAPI, Deno, React, Terraform, AWS, Pandas, Scikit-Learn, POSIX threads

Development Tools: Nix/NixOS, Docker, Git, Vim, GitHub Actions, Linux

Projects

ACM Chapter API (api.acmcsuf.com)

Repository: github.com/acmcsufoss/api.acmcsuf.com

Technologies: Go, Gin, SQLite, OpenAPI, Nix, GitHub Actions, Fly.IO Cobra

Role: Project co-leader & lead developer

- Lead development of REST API for ACM at CSUF that manages data for club of 2,500 members.
- Create tasks, delegate work, and review code for team of 7 core developers.
- Created a CI/CD pipeline to drastically speed up development cycle and reduce programming errors.
- Created reproducible development environment with Nix/direnv and comprehensive docs to speed up onboarding.

Productivity App (Motion)

Repository: github.com/tomasohchom/motion

Technologies: Go, Terraform, Typescript, Tanstack, React, MinIO, AWS, Docker

Role: Back-end developer & DevOps lead

- Lead development of Go services for microservices architecture backend.
- Containerized services for eventual deployment to cloud using AWS Fargate.
- Wrote Terraform Infrastructure as Code (IaC) for reproducible deployments.
- Wrote integration and e2e tests for automated testing in CI pipeline.

Video Game (Re: Imagine)

Repository: github.com/TheJolman/rpg-raylib

Technologies: C23, Raylib, CMake, GitHub actions

Role: Project manager & lead developer

- Delegate tasks to artists and other developers (team of 6) with project management software.
- Design gameplay system and create abstractions in C to reduce programming errors for new team members.
- Created CI pipeline to speed up review/feedback/merge cycle.

Extracurriculars

ACM Chapter, Cal State Fullerton

Open Source Team Officer (Jan 2025 - Present)

- Work with team to create and deliver workshops on software development topics to 100+ students.
- Lead several workshop and demos on important technologies and tools (e.g., Advanced Git, Rust, GitHub Actions, Consuming REST APIs).
- Lead sub-group for developing api.acmcsuf.com (see above).

Experience

Mathnasium, Rancho Palos Verdes, CA & Fullerton, CA

Instructor (Mar 2024 - Present)

- Tutor K-12 students to help them achieve math goals.
- Reinforce skills students learn in class and introduce new concepts.

South Bay Tennis Center, Torrance, California

Coach (Aug 2021 - Aug 2024)

- Coached kids and adults alike in group workouts and lessons.
- Honed skills in leadership, communication, and time management.

Torrance Memorial Medical Center, Torrance, California

Central Services (June 2021 - Aug 2021)

- Filled and delivered orders for medical supplies.
- Worked with team to supply surgery floor with necessary equipment.