

Adrian Guerra

☎ 408 761 6339 • ✉ 2adrian2@gmail.com
linkedin.com/in/adrian-guerra-262133184 • github.com/adrianmgg
Prospective MS Computer Science

Skills

Advanced: Rust, Python, Powershell, Javascript

Proficient: C++, C, GLSL, Typescript, Java, C#, Haskell, Bash, HTML, CSS

Familiar: OpenGL, Vulkan, Swift, Lua, Go, Ruby

Education

San José State University

Master of Science in Computer Science

San José, California

August 2025–Current

Relevant Coursework: Distributed Computing, Topics in Information Security, Advanced Programming Language Principles, Advanced Parallel Processing

UC Santa Cruz

Bachelor of Science in Computer Science

Santa Cruz, California

2019–2023

Relevant Coursework: Introduction to Computer Graphics, Game Graphics and Real-Time Rendering, Computer Security, Fundamentals of Compiler Design I, Computer Systems and Assembly Language, Computer Architecture, Introduction to Computer Networks, Advanced Computer Networks, Distributed Systems, Open Source Programming

Projects

SPIR-V Shader Compiler.....

○ Currently developing compiler for a custom programming language for GPU shaders, targeting SPIR-V.

Languages: Rust

Code: github.com/adrianmgg/halberd

Testing Library for Distributed Systems Class Project.....

○ identified development bottleneck with manual steps in testing, personally developed library to automate and streamline testing

○ documented and shared the code with the rest of the class, multiple other teams also used it

○ fully automated test running freed up developer time and allowed teams to iterate faster

Languages/Tools: Python, Docker

Code: github.com/adrianmgg/asg3tester

Volunteer Work

FIRST Robotics Competition (FRC) Team 2813

Software Mentor

Prospect High School – Saratoga, California

Sept. 2023 – July 2025

Mentored software subteam (3-8 students) in programming (primarily Java), development best practices.

Current resume always available at work.amgg.gg/resume

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