Kyle Gustavsen

COMPUTER SCIENCE STUDENT · SOFTWARE & QA

kylegustavsen@gmail.com
github.com/Fastburn
linkedin.com/in/kyle-gustavsen
kylegustavsen.com

Computer Science student **(SNHU)** with hands-on software experience through open-source contribution - C++ and Lua development, QA, and build/test work on a large multi-platform codebase - combined with over a decade of customer-facing professional experience.

TECHNICAL SKILLS

LANGUAGES
TypeScript, JavaScript, Rust, Java, Python, C++, C#, Lua, HTML & CSS

TOOLS
Git, Linux CLI, VMware, KVM/WSL, Claude Code

AI-FIRST DEVELOPMENT
Claude Code for planning, code review, and security audits, with every change personally tested and committed

QA & BUG TRACKING
Mantis, manual test/build cycles

OTHER
cPanel, technical documentation

TECHNICAL EXPERIENCE

Open-Source Game Server Emulator - Open-Source Contributor & QA — May 2019 - Present
Volunteer, remote

- Landed 35+ commits merged to the public unstable branch since 2020, with substantially more across private and open development branches, spanning ship crafting, combat systems, and NPC content in C++.
- Reviewed and evaluated C++ and Lua code changes submitted by other contributors against reported bugs.
- Tested developer commits on local VMware and KVM/WSL virtual machines prior to merge to catch regressions.
- Triaged, reproduced, and confirmed bug reports through Mantis issue tracking.
- Built and validated the project from source via the Linux command line; worked in Git across branches.

PROFESSIONAL EXPERIENCE

Certified Optician - Family Eyewear Gallery — Jan 2022 - Present
O'Fallon, MO

- Consulted with patients on eyewear selection, building long-term patient relationships and repeat business.
- Diagnosed and resolved product and fit issues, reducing returns and remakes.
- Maintained inventory audits and ensured compliance with regulatory and PHI handling requirements.

Certified Optician - Sam's Club — Oct 2007 - Jul 2021
Chesterfield, MO

- Served as optician for a high-volume retail location for 14 years, consulting patients on eyewear and troubleshooting fit/product issues.
- Maintained item audits and regulatory/PHI compliance consistent with company and legal standards.

Member Service Associate / Cashier - Sam's Club
Mar 2005 - Oct 2007
Chesterfield, MO

- Handled sales, refunds, and membership upgrades while resolving customer concerns at the front of the store.

LEADERSHIP & VOLUNTEER WORK

Board Member / Administrator - Flagrun Foundation, Inc.
Jan 2018 - Present
Non-profit, remote

- Write and maintain policy, privacy, and hosting documentation for the organization.
- Manage and maintain organization websites via cPanel and the command line.

EDUCATION

B.S., Computer Science - Southern New Hampshire University
Jan 2024 - Present
Online

General Studies - St. Charles Community College
Jan 2007 - Dec 2010
Cottleville, MO · Phi Theta Kappa Honor Society

CERTIFICATIONS

American Board of Opticianry (ABOC)
Expires 12/2026

edX/MITx 6.00.1x - Intro to CS & Programming Using Python
Issued 10/29/2021