

JAMES WARMKE

350 Ferst Dr, 325486 Georgia Tech Station | (650) 450-3530 | jwarmke3@gatech.edu | US Citizen

EXPERIENCE

PFM SNOWMAKING

Truckee, CA

Snowmaking Engineer / Programmer

May 2018 - August 2018, March 2021 - Current

Planning, organizing and deploying industrial control systems for 4 ski resorts in the Reno/Tahoe area. Currently working on proprietary PLC monitoring software to help ski resorts optimize snowmaking expenses.

POCKETPRO - <https://pocketpro.io>

Reno, NV

Founder / CTO

July 2020 - Current (on hold)

Wrote Stripe and GCP integrated personal training marketplace app for IOS and Android (Dart/Flutter). Wrote scalable GCP server (Node.js) for back end. Approved for Google Play Store and pending approval for IOS App Store.

PROJECTS

MYWM (X Window Manager) - <https://github.com/kaiserschmarrn0/mywm>

December 2018 - July 2019

Reparenting X window manager written from scratch in C using only the core X protocol.

MYOS - <https://github.com/kaiserschmarrn0/myos>

September 2019 - October 2019

x86_64 multicore OS with real routines, paging and dynamic memory management. No process management (yet).

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA

College of Computing - B.S. Computer Science (Systems and Architecture)

August 2019 - May 2023

Relevant coursework: Linear Algebra, Discrete Math, Multivariable Calculus, Computer Organization and Programming, Objects and Design

UNIVERSITY OF NEVADA, RENO

Reno, NV

Dual Enrollment

August 2014 - May 2019

Studied Computer Science, Computer Engineering, Electrical Engineering and German.

Relevant coursework: Object Oriented Programming, Data Structures, Digital Design, Intro to Operating Systems

OPEN SOURCE

SWAY - <https://github.com/swaywm/sway>

March 2021

Contributor. Added mouse sensitivity to device management and configuration.

QWORD - <https://github.com/qword-os/qword>

September 2019

Contributor. Fixed major dynamic memory allocation bug.

SKILLS

Programming: C, BetterC, Dart, C++, Typescript, Javascript, NASM, SH, Java, SQL, HTML, CSS

Systems & Tools: Linux, OpenBSD, Git, OpenGL, SDL2, GLFW, XCB, wlroots, Flutter, Firebase, GCP, SQLite