

Simon Pellerin_{she/they}

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🐙 [simonomi](#) [simonomi](#)

Student at Wentworth Institute of Technology in Boston. Technology enthusiast experienced in application and server-side development, but quick to acquire new skills. Most experienced in the development of apps in Swift using SwiftUI, Python using tkinter, and plugins for Obsidian using TypeScript.

Projects

mage (unreleased)

Designed, developed, and iterated upon a Trakt client for iOS.

Swift SwiftUI REST JSON Trakt Xcode

Metal Ray Tracer

🐙 [simonomi/MetalRayTracing](#)

Created a custom ray tracing engine from scratch using Metal.

Swift Metal MSL C++ Python

Markdown Pitch Accent

🐙 [simonomi/obsidian-markdown-pitch-accent](#)

An obsidian plugin to render japanese pitch accent in markdown.

Typescript JavaScript Obsidian CSS

Personal Website

🐙 [simonomi/simonomi.github.io](#) 🌐 simonomi.dev

Designed and built a mobile-friendly personal website.

HTML CSS DNS git

Certifications/Awards

CompTIA Security+

Knowledge and hands-on experience with core cybersecurity topics.

Awards

- AP Scholar with Distinction
- National Cyber Scholar 2022
- MathWorks Math Modeling Challenge 2022
 - 2nd round - top 18.5%
- SkillsUSA Texas State Finalist

Education

Wentworth Institute of Technology — Boston, MA

Computer Science, B.S.

Expected graduation: April 2025

GPA: 3.0/4.0

Java Linux Python git

Skills

Languages

Swift 2 years (35,000 lines)

Python 6 years (15,000 lines)

Java 4 years (10,000 lines)

Rust <1 year (1,000 lines)

AutoHotkey Bash CSS HTML
JavaScript Lua \LaTeX TypeScript

APIs/Frameworks

Discord Heroku Metal Obsidian
REST Spotify SwiftUI tkinter
Trakt VLC

Tools/Environment

Bash git JSON Linux macOS
Vim Windows Xcode

Work Experience

Stokan Jagers & Associates

Nov. 2020 — July 2021 Katy, Texas

- Worked with others in a HIPAA-compliant office environment
- Organized and prepared documents in a standard format

Whataburger #392

Sept. 2020 — Nov. 2020 Katy, Texas

- Worked in a team to prepare and deliver food to customers
- Interacted with customers through taking orders