

# Simon Pellerin<sub>she/they</sub>

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🐙 [simonomi](https://github.com/simonomi) [in simonomi](https://www.linkedin.com/company/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](https://github.com/simonomi/MetalRayTracing)

Created a custom ray tracing engine from scratch using Metal.

Swift Metal MSL C++ Python

### carbonizer

🐙 [simonomi/carbonizer](https://github.com/simonomi/carbonizer)

Designed and implemented an easy-to-use DS ROM-hacking tool.

Swift Foundation NDS

### Personal Website

🐙 [simonomi/simonomi.github.io](https://simonomi/simonomi.github.io) 🌐 [simonomi.dev](https://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 (~40,000 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