

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

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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

### carbonizer

🐙 simonomi/carbonizer

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

Swift    Foundation    NDS

### 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 Programming Finalist

## Education

### Wentworth Institute of Technology — Boston, MA

Computer Science, B.S.

Expected graduation: April 2025

GPA: 3.0/4.0

C    Java    Linux    Python    git

## Skills

### Languages

Swift    2 years (~40,000 lines)

Python    7 years (~15,000 lines)

Java    5 years (~10,000 lines)

Rust    1 year (~1,000 lines)

Bash    C    C++    CSS    HTML  
JavaScript    Lua     $\LaTeX$     TypeScript

### APIs/Frameworks

Discord    Heroku    Metal    Obsidian  
REST    Spotify    SwiftSyntax    SwiftUI  
tkinter    Trakt    VLC

### Tools/Environment

Bash    git    JSON    Linux    macOS  
SwiftPM    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