





Hunter Todd

 github.com/h-user-t  h-user-t.github.io/about/  [linkedin.com](https://www.linkedin.com/in/hunter-todd/)  h.todd20@outlook.com

EDUCATION

University of Miami

B.S. Software Engineering

May 2025

Current GPA: 3.86/4.0

COURSEWORK

Courses: Object-Oriented Programming, Data Structures & Algorithms, Operating Systems, Discrete Math, Linear Algebra, Software Architecture, Network Client-Server Programming, Database Design & Management

Awards: President's Honor Roll (2x), Provost Honor Roll (1x), Dean's List (1x)

SKILLS

Languages: C/C++, Python, Java, JavaScript/TypeScript, HTML/CSS, BCPL, \LaTeX

Tools: Git/GitHub, Unix Shell, VS Code, IntelliJ CLion/PyCharm/IDEA, MySQL

Frameworks: React, Node.js, Flask

PROJECTS

MyShell Program | *C, Unix Shell, VS Code, Networking*

Nov. 2023

- Developed "MyShell", a custom command-line interpreter in C with various commands ('Help', 'Quit', 'Run', etc.) and specialized features like 'List', 'Procs', and 'Kill'.
- Applied socket programming to facilitate network interactions.
- Created a personal I/O library (mio.h) to streamline input/output operations within MyShell.

Exploring the U.S. Map | *C++, Algorithms, Dijkstra's, Unix Shell, VS Code, HTML/CSS*

May 2023 – Present

- Developed an interactive program to navigate through a map of the United States
- Constructed an in-memory graph structure from interconnected nodes, using data from provided text files.
- Custom-developed a priority queue and a hash table based on the "NamedPlaces" class for efficient data handling.
- Incorporated a feature to display the route graphically on a map, representing altitude with color coding and marking the route.

CaneEats | *Java, JavaFX, OOP, Git, IntelliJ, MySQL, Full Stack*

Aug. 2022

- Developed a full-stack customer and transaction management system using Java and JavaFX, integrated with a MySQL database.
- Followed a structured architectural approach, linking Boundary Classes to Controller Classes, then to Business Classes and Data Managers, ultimately interfacing with the database.
- Implemented a full customer lifecycle (CRUD operations): Creating new customers, retrieving customer data, updating records, and deleting customers.

EXPERIENCE

Escape Theory | *Software Engineer Intern | Python, MongoDB, React, Node.js, CSS*

June 2023 – October 2023

Involved in designing and implementing a MERN stack for an arcade game & escape rooms.

University of Miami | *Resident Assistant*

August 2022 – Present

Responsible for 96 residents, planning inclusive programs, and residents' safety.

University of Miami | *Route Setter*

January 2023 – Present

Set bouldering routes at Outdoor Adventures on campus, emphasizing creativity and safety.

HOBBIES

Rock Climbing & Hiking

2022 – Present

Outdoor and indoor climbing in Boulder, CO and Bishop, CA.