

NATHAN LARKIN

Atlanta, GA | P: 704-533-4302 | nlarkin1@student.gsu.edu | <https://linkedin.com/in/nalarkin>

Portfolio Website: <https://nlarkin.us> | <https://github.com/nalarkin>

SUMMARY

I discovered my love for computer science during my junior year at the University of Washington. Unfortunately, it was too late for me to gain admission to the UW CS program, and my family had relocated to GA. Instead of staying at UW and earning a non-CS degree, my passion led me to relocate to GA and pursue a formal CS education. I flourished in the CS program at GSU and graduated *summa cum laude* in May 2022. In my free time, I am constantly learning new CS skills, best practices, and new technologies. Solving complex problems is a space where I thrive.

EDUCATION

Georgia State University

Atlanta, GA

Bachelor of Science in Computer Science

June 2020 - May 2022

- Graduated *summa cum laude*
- 4.16 GPA on 4.30 scale (institution)
- 4.25 GPA on 4.30 scale (CS department)

University of Washington

Seattle, WA

Undeclared Major

Jan. 2015 - Jan. 2018

- 2017 Foster School of Business Case Competition, Top 8
 - Team leader of a group that placed within the top 8 teams in the competition
- Transferred to GSU to pursue CS degree

SKILLS

Proficient Languages: Python, TypeScript, Rust, Dart, Java, JavaScript, HTML/CSS

Basic Understanding: C, Hadoop, Spark, SQL, Shell Script, Assembly, Redux

Proficient Technologies: React.js, Next.js, Sass, Firebase, Flutter, GIT, Linux, NoSQL Databases, Express.js

PERSONAL PROJECTS

Full Stack Inventory Management Application for 30+ GSU Researchers at Morse Laboratory

- This application tracks research items and supplies, provides rental service features, user authentication, role-based permissions, item searching, multiple data views, and user action history
- Designed and created a custom REST API, all backend features, and managed a MySQL database for persistent data storage
- Sole person responsible for the frontend development of the application
- Built the frontend features for item rental, user authentication, CRUD operations, QR code generation
- Deployed the first release of the application on a Raspberry Pi local web server on February 17th, 2022

New York Times Website Clone

- Created a fully responsive New York Times website clone from scratch (<https://nlarkin.us/projects/nyt-clone>)
- Incorporated a Headless CMS and designed schema to store the articles, authors, and categories
- Leveraged Next.js to optimize performance by using static generation to create HTML at build time

Course Registration Bot

- Developed a Python application that routinely searches for desired college courses and registers when a course becomes available
- Refactored the code to incorporate various design patterns
- Video demo available on my portfolio website (<https://nlarkin.us/projects/course-bot>)

Story Generator

- Constructed a Rust program that generates random sentences based on user-defined grammar rules
- Designed and implemented validation of the provided grammar rules using graph theory to detect guaranteed endless cycles and unreachable grammar rules