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 relocating to GA and pursing a formal CS education. Since transferring to GSU, I am flourishing in the CS program and will graduate *summa cum laude* in May 2022. In my free time, I am constantly learning new CS skills, best practices, and new technologies. Solving difficult problems is a space where I thrive.

EDUCATION

Georgia State University *Atlanta, GA*
Bachelor of Science in Computer Science *June 2020 - Expected May 2022*

- 4.15 GPA on 4.30 scale (institution)
- 4.27 GPA on 4.30 scale (CS department)
- Currently on the path to graduate *summa cum laude*

University of Washington *Seattle, WA*
Undeclared Major *Jan. 2015 - Jan. 2018*

- 2017 Foster School of Business Case Competition Finalist
  - Team leader of the group that made it to the final round of 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

- Designed and created a custom REST API and all back-end features
- Sole person responsible for the front-end development of the application
- Connected the back-end server to a MySQL database for persistent data storage
- Built the front-end features for item rental, user authentication, CRUD operations, QR code generation, and exporting data into Excel spreadsheets
- Will deploy application to a Raspberry Pi local web server, estimated release is February 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 which 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