

Nicholas Wilfong

Nicholaswilfong93@gmail.com · 540-270-9991 · www.linkedin.com/in/nicholas-wilfong-191684171

EDUCATION

George Mason University, Fairfax VA December 2023
• Bachelor of Science in Computer Science GPA: 3.31

Virginia Polytechnic Institute and State University, Blacksburg VA December 2015
• Bachelor of Science in Physics with minor in Mathematics

TECHNICAL SKILLS

Programming Languages: C, Java, Python, Lisp, MIPS Assembly, SQL, HTML
Operating Systems: Linux (Ubuntu), Unix, Windows
Applications: Wireshark, Nmap, VirtualBox, MS Office, Android Studio
Framework/Tools: Spring and SpringBoot, JDBC, Javalin, Maven, Git/GitHub, Vim

RELATED PROJECTS

A* Based Mancala AI

- Developed the algorithm and heuristics behind the AI in a computerized Mancala simulation.
- Composed all functions in the LISP programming language, specifically CommonLISP, in an EMACS editor.
- Utilized black-box testing to adjust heuristics based on in game responses.

Entry Level Job Search Website

- Collaborated on development of a job search website aimed at helping entry-level job seekers find opportunities, utilizing Java, HTML, CSS, and JavaScript.
- Designed a responsive and user-friendly interface, improving accessibility.
- Guided the creation of unit tests to ensure code coverage of back-end functions.
- Integrated SQL database for storing job listings and user data, ensuring efficient data retrieval and management.
- Documented site architecture and user manuals, facilitating ease of use and maintenance for future developers.

Trial Operating System Development

- Configured and implemented a functional trial operating system, focusing on system efficiency and synchronization.
- Conducted testing and debugging processes, resolving critical system bugs.
- Used semaphores to solve a multi-threading problem.
- Developed core components using the C language.

ADDITIONAL EXPERIENCE

Revature Talent Management Reston, Virginia February 2025 – May 2025
Java Intern/Back-end Developer

- Demonstrated proficiency in Java, SQL, data structures and programming algorithms
- Created two versions of a working back-end API for a social media app which provided working HTTP responses to a potential front end using both a RESTful Javalin/JDBC implementation as well as the Spring framework and JPA.
- Utilized Mockito and unit testing to achieve reliability

Joseph A. Bank Clothiers Gainesville, Virginia October 2016 –Present
2nd Assistant Manager

- Responsible for sales growth and customer relationships, inventory tracking and management, sales and order fulfillment, and managed new hires and training