Scott Schwartz

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EDUCATION

Bachelor of Science in Computer Science

University of Pittsburgh, Pittsburgh, PA   **Expected Graduation:** April 2025

GPA: 3.58   **Dean's Lists:** Fall '21, '22, '23, '24 & Spring 24

Relevant coursework: Algorithms and Data Structures 1 & 2 | Algorithm Design | Intro to AI | Intro to Machine Learning | Software Quality Assurance | Web Site Design & Development | Comp. Organization & Assembly Language | Intro to System Software | Intro to Operating Systems

SKILLS

Java | JavaScript | Python | HTML | CSS | TypeScript | C

RELEVANT WORK EXPERIENCE

Junior Software Engineer   **May 2024 - Aug 2024**

WebstaurantStore

➢ Gained hands-on experience with Agile methodology and applied its practices in project workflows.
➢ Contributed to the company's internal developer portal team. Specifically the backend of an automated quality control plugin via code contribution, review, and cleanup.
➢ Used error logs, VSCode debugging, and Postman API Platform to inspect, expose, and resolve bugs.
➢ Refined error handling within the project, improving the program's reliability and robustness.
➢ Used the Jest testing framework to write and execute unit tests, ensuring functionality and reliability.
➢ Refactored code which provided more readable, unified, modular, and maintainable code that adheres to industry and company standards and practices.
➢ Skills used: Azure DevOps for project management, release management, code reviews, Git for version control, and collaboration via Microsoft Teams.

Undergraduate Teaching Assistant   **Aug 2023- Dec 2023**

University of Pittsburgh

➢ Communicated complex concepts to students by breaking them down into small digestible parts. Used real-world examples and interactive problem-solving techniques to enhance comprehension.
➢ Led weekly recitation sessions to reinforce key concepts and guide students in their learning.
➢ Provided individualized support during office hours, tailoring explanations to enhance understanding.

PROJECT EXPERIENCE

HTML/CSS: Portfolio Website- https://scottschwartz342.github.io/

JavaScript: The Typing Monkey - https://scottschwartz342.github.io/typing-monkey/

➢ Javascript project based on the Infinite Monkey Theorem. Features a "monkey" randomly typing for a user-set amount of time. Tracks how many valid words were typed out in said amount of time.
➢ Skills used: Object Oriented Programming (OOP), JSON, DLB Tries, UI, CSS Grid

Java: Virtual Memory Simulator

➢ Simulated Least Recently Used and Optimal Page Replacement Algorithms by reading traces of memory references that were generated by two processes while running on a 32-bit system.
➢ Successfully kept the program under project-specific time restraints by optimizing the algorithms with the use of data structures such as HashMaps and Linked Lists and proper programming techniques.
➢ Skills used: Object Oriented Programming (OOP), Command-line Argument Handling, File Handling/ Parsing, Algorithm Implementation, HashMaps, Linked Lists, Priority Queues

C: Filesystem Simulator

➢ Implemented a custom filesystem using FUSE, a Linux kernel extension, featuring a two-level directory structure and indexed allocation strategy, via a single file representing a disk device.
➢ Skills used: Reading/Writing to Files, Memory Management, Indexing, Strings

LEADERSHIP/ COMMUNITY ENGAGEMENT / WORK EXPERIENCE

Security for Taylor Swift/Drake and J. Cole Concert *Landmark Security*	**June 2023, Feb 2024**
People Division for American Cancer Society on Campus at Pitt *Social Comm.*	**Dec 2022- May 2023**
Executive Board for Sigma Alpha Mu Psi Chapter *Chief Justice of Judicial Board*	**May 2022- May 2023**
Target Employee *Inbound Specialist*	**June 2022- August 2022**
Long Island Junior Soccer Referee *Grassroots Soccer Referee*	**April 2016- Nov 2022**