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 & Spring 24
Relevant coursework: Algorithms and Data Structures 1 & 2 | Algorithm Design | 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 | HTML | CSS | JavaScript | TypeScript | C | Python | R

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, more 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.
- ➢ Utilized the Jest testing framework to write and execute unit tests, ensuring functionality and reliability
- ➢ Refactored code, providing 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, and code reviews, Git for version control, and collaboration via Microsoft Teams.

Undergraduate Teaching Assistant at Pitt **Aug 2023- Dec 2023**
For Discrete Structures for CS
- ➢ Organized and led a weekly recitation session to support a class of students in understanding course materials. Specifically, topics such as Propositional Logic, Sets, Counting, Probability, and more.
- ➢ Held regular office hours to provide additional one-on-one assistance and address problems.
- ➢ Demonstrated strong communication and teaching skills to help peers succeed academically.

PROJECT EXPERIENCE

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 good 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

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

LEADERSHIP/ COMMUNITY ENGAGEMENT / WORK EXPERIENCE

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**
Security for Taylor Swift Concert *Landmark Security* **June 2023**
Target Employee *Inbound Specialist* **June 2022- August 2022**
Long Island Junior Soccer Referee *Grassroots Soccer Referee* **April 2016- Nov 2022**