

# Scott Schwartz

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## EDUCATION

### Bachelor of Science in Computer Science

University of Pittsburgh, Pittsburgh, PA

**Expected Graduation:** April 2025

**GPA:** 3.61

**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 an 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**