

# Scott Schwartz

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## —EDUCATION—

### Bachelor of Science in Computer Science

University of Pittsburgh, Pittsburgh, PA

GPA: 3.35

Expected Graduation: April 2025

Dean's List Fall '21 & Fall '22

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

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## —SKILLS—

Java | C | HTML | CSS | JavaScript | Python

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## —RELEVANT WORK EXPERIENCE—

### Undergraduate Teaching Assistant at Pitt

Aug 2023- Present

For Discrete Structures for CS

- Organize and lead a weekly recitation session to support a class of 28 students in understanding course materials. Specifically, topics such as Propositional Logic, Sets, Counting, Probability, and more.
  - Hold regular office hours to provide additional one-on-one assistance and address problems.
  - Demonstrate strong communication and teaching skills to help peers succeed academically.
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## —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:** Calculator- <https://scottschwartz342.github.io/cindex.html>

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## —LEADERSHIP/ COMMUNITY ENGAGEMENT—

### People Division for American Cancer Society on Campus at Pitt

Dec 2022- May 2023

Social Communications

- Created engaging and visually appealing Instagram posts to convey information and messages to the public during the first year of the club being on campus.
- Utilized social media strategies to reach a wider audience and enhance public awareness.

### Executive Board for Sigma Alpha Mu Psi Chapter

May 2022- May 2023

Chief Justice of Judicial Board

- Actively participated in decision-making processes and operations to enhance the organization's success in promoting connections, philanthropy, and brotherhood.
  - Conducted judicial/standards hearings, enforced disciplinary actions and sanctions when necessary.
  - Collaborated with fellow fraternity leaders to create a positive and inclusive environment for all members.
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## —WORK EXPERIENCE—

**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 2020