

Scott Schwartz

scottschwartz342@gmail.com | <https://www.linkedin.com/in/scottschwartz342/>

EDUCATION

Bachelor of Science in Computer Science , University of Pittsburgh, Pittsburgh, PA,	May 2025
GPA: 3.61	Dean's List: Fall '21, '22, '23, '24 & Spring '24, '25
Relevant coursework: Algorithms and Data Structures 1 & 2 Algorithm Design Intro to AI Intro to Machine Learning Software Quality Assurance Website Design & Development Computer Organization & Assembly Language Intro to System Software Intro to Operating Systems	

SKILLS

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

RELEVANT WORK EXPERIENCE

Junior Software Engineer , WebRestaurantStore	May 2024 - Aug 2024
➤ Gained hands-on experience with Agile methodology and applied its practices in project workflows.	
➤ Contributed to the internal developer-portal team, working on the back-end of an automated quality-control plugin through code contributions, reviews, and cleanup.	
➤ Used error logs, VS Code 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 to improve readability, consistency, modularity, and maintainability while ensuring compliance with industry and company standards.	
➤ Skills used: Azure DevOps (project management, release management, code reviews), Git (version control), and Microsoft Teams (teamwork, collaboration, and communication).	
Undergraduate Teaching Assistant , University of Pittsburgh	Aug 2023 - Dec 2023
➤ 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/	
AI/React/TypeScript: Dummy Wordle with AI Solver - https://scottschwartz342.github.io/dummy-wordle/	
➤ A clone of the popular New York Times game Wordle, where you have 6 tries to guess a 5-letter word.	
➤ Features an AI solver that uses Bayes' theorem and the product rule to choose the best guess.	
➤ Skills used: Object-oriented programming (OOP), Jest, probability, npm, Git, VS Code debugger	
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 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 constraints by optimizing the algorithms using efficient data structures (HashMaps, LinkedLists) and proper programming techniques.	
➤ Skills used: Object-oriented Programming (OOP), Command-line Argument Handling, File Handling/Parsing, Algorithm Implementation, HashMaps, LinkedLists, PriorityQueues	
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

Event Security – Taylor Swift, Drake & J. Cole concerts , Landmark Security	Jun 2023 & Feb 2024
Social Communications , American Cancer Society on Campus at Pitt	Dec 2022 – May 2023
Chief Justice, Judicial Board , Sigma Alpha Mu, Psi Chapter Executive Board	May 2022 – May 2023
Inbound Specialist , Target	Jun 2022 – Aug 2022
Grassroots Soccer Referee , Long Island Junior Soccer League	Apr 2016 – Nov 2022