William Simkins IV

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EDUCATION

New Jersey Institute of Technology — Newark, NJ
Bachelor of Science in Computer Science and Mathematical Sciences — *Sept. 2020 – Dec. 2024*

WORK EXPERIENCE

Design Engineer — June 2023 – Aug. 2023
AMERICAN SYSTEMS — *Picatinny, NJ*
- Contributed to existing projects and improved data collection methods
- Built systems using existing components for specialized purposes
- Utilized differential modeling, statistical analysis, and simulation

EXPERIENCE

JerseyCTF Participant — March 2025
New Jersey Institute of Technology — *Newark, NJ*
- Third place team out of in-person participants

HackPrinceton Participant — November 2024
Princeton University — *Princeton, NJ*
- Worked on a two person team over the 36 hour hackathon to build a C based tutoring schedule display

NJIT YWCC Capstone Media Team Project Manager — Sept. 2024 – Dec. 2024
New Jersey Institute of Technology — *Newark, NJ*
- Co-Lead for semester long projects advertising and explaining the computing college's capstone program
- Awarded by the college for constant communication with our instructor and surpassing expectations

ACM Chapter Executive Board — Jan. 2023 – Dec. 2024
New Jersey Institute of Technology — *Newark, NJ*

ACM President — *Jan. 2024 – Dec. 2024*
- Managed a team of 7 to set and accomplish goals for the year aligned with the purpose of the chapter
- Main POC for JerseyCTF logistics and HackNJIT preparation and execution

ACM Treasurer — *Jan. 2023 – Dec. 2023*
- Created and normalized use of a budget spreadsheet with plans, expenses, and goals
- Took inventory and organized office with 15 years of history
- Contributed lasting projects such as a quick physical replay button and homebrew security webcam

Esports Executive Board — Sept. 2021 – May 2024
New Jersey Institute of Technology — *Newark, NJ*
- Oversaw purchase of useful streaming equipment and provided a quality stream worthy of external sponsors

PROJECTS

willsiv.dev | *Astro* — January 2025
- Refined ability to adapt a new framework for a personal website

Santa's Secret Helper | *ExpressJS, SQLite3, HTML* — December 2024
- Week long project to help busy family connect across the country and follow a synchronized turn order

wii-tutor | *C* — November 2024
- Hackathon project to display tutoring information for students using ncurses and an exported CSV for data
- Project was compiled and showcased on a Wii console to express portability

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS
Frameworks: Astro, Node.js, Flask, WordPress, React, Material-UI
Developer Tools: Vim, Git, Docker, Google Cloud Platform, VS Code, Eclipse
Libraries: NumPy, Matplotlib