

William Simkins IV

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EDUCATION

New Jersey Institute of Technology

Bachelor of Science in Computer Science and Mathematical Sciences

September 2020 – December 2024

Newark, NJ

WORK EXPERIENCE

Sales Advisor

Best Buy

May 2025 – Present

Rockaway, NJ

- Contributed towards Rockaway store being top 30% in overall metrics across all locations
- Reached top metrics in attach rate, basket, and revenue; consistently above 4.5 out of 5 stars on customer reviews
- Created tool using Python to track own general metrics of every sale and set goals for the future

Design Engineer

AMERICAN SYSTEMS

June 2023 – August 2023

Picatinny Arsenal, NJ

- Developed C program to interpolate coordinate data using connected semicircles and regression analysis
- Managed inventory of legacy hardware and created new systems using old parts, reducing unused inventory by 50%
- Improved data storage solutions, increasing efficiency in data collection and transferring tenfold

LEADERSHIP

NJIT YWCC Capstone Media Team Project Manager

New Jersey Institute of Technology

September 2024 – December 2024

Newark, NJ

- Co-Lead for team of 7 students; held weekly sprint planning meetings and tripled output from previous semester
- Utilized Agile and Scrum methodology to organize team with an average of 2 weeks per production timeline
- Awarded by the college for constant communication with our instructor and surpassing expectations

ACM Chapter Executive Board

New Jersey Institute of Technology

January 2023 – December 2024

Newark, NJ

ACM President

January 2024 – December 2024

- Led weekly meetings with 30+ students to participate in programming workshops and computing discussion
- Organized Spring CTF with 1000+ worldwide participants and Fall hackathon with 300+ in person participants
- Managed team of 7 to refactor website to Vue and push data collected from interest groups to impact courses

ACM Treasurer

January 2023 – December 2023

- Created and normalized use of an annual budget spreadsheet of \$8000 tracking plans, expenses, and goals
- Installed TV monitor in chapter's undergraduate tutoring room, improving capacity by 200% for group lessons
- Secured \$10,000 worth of sponsorships to be used in annual hackathon
- Built office security system and streaming setup utilizing OBS, Linux, and Python achieving a 99.9% uptime

Esports Executive Board

New Jersey Institute of Technology

September 2021 – May 2024

Newark, NJ

- Led team of tournament organizers for weekly events consistently totaling above 100 attendees.
- Managed a \$2000 asset grant for streaming equipment to increase quality, improving viewership by 100%.
- Developed automated video uploading tool for matches on stream, cutting video editing time by 95%

PROJECTS

Clip Button

April 2023 – Present

- Modified Staples “that was easy” button using Arduino and Python to capture up to 5 minutes of replay footage
- Built modular setup to sustain recording up to 4 gaming consoles simultaneously with wireless microphones
- Amassed 450+ clips within the button's lifespan due to the project's 99.9% uptime across multiple years of use
- Clips were made accessible to any user via a read-only Samba share hosted on the server running clip software

TECHNICAL SKILLS

Languages: C/C++, Java, Python, SQL, JavaScript, TypeScript, HTML/CSS, PHP, C#

Frameworks: Astro, Node.js, WordPress, React, Material-UI, Tailwind, .NET

Developer Tools: Vim, Git, Docker, Google Cloud Platform, VS Code, Eclipse

Libraries: NumPy, Matplotlib