Haitham Awad

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EDUCATION

New Jersey Institute of Technology — Newark, NJ
Bachelor of Science in Computer Science — *Sept. 2022 – Expected May 2026*
- Albert Dorman Honors College, **GPA: 3.98**
- Relevant Coursework: Data Structures and Algorithms, Computer Networking, Computer Architecture

EXPERIENCE

Software Engineer Intern — June 2024 – August 2024
Nokia — *New Providence, NJ*
- Restored an internal Python and C tool for detecting and diagnosing memory leaks, enabling developers to effectively use it again after prolonged instability
- Streamlined the deployment process by implementing a best-effort approach, achieving over 90% faster installation and removal times
- Improved tool performance by optimizing data retrieval and eliminating reliance on the CLI, reducing runtime by 10%

Teaching Assistant — Jan. 2024 – Present
New Jersey Institute of Technology — *Newark, NJ*
- Provide constructive feedback to students through grading assignments and exams, contributing to the class that achieved scores 10% higher than others on average
- Ensure students understand Java and Python programming concepts by assisting them in class and holding recitation sessions weekly

Web Developer — July 2023 – Dec. 2023
New Jersey Institute of Technology — *Newark, NJ*
- Leveraged Javascript, HTML, and CSS to develop a web maze game to gather data for a research lab on campus
- Increased the lab's efficiency by 15% by allowing for remote data collection and automatic data analysis

PROJECTS

Among Us Voting Aid | *Python* — June 2023
- Utilized game theory to aid players in making crucial decisions in the popular video game Among Us
- Users input specific game conditions and receive instructions on how to proceed in their game

Perl-Like Language | *C++* — May 2023
- Developed a lexical analyzer, parser, and interpreter using C++ for a custom Perl-like language
- Users input a code file and are returned the output text or error messages

EXTRACURRICULARS

Peer Mentor — June 2023 – Present
New Jersey Institute of Technology — *Newark, NJ*
- Lead new NJIT students during their first year of college, ensuring a smooth transition from high school
- Advise students on topics such as class recommendations and basic career development

AWARDS

Eagle Scout, Boy Scouts of America — May 2022
- Led scouts to install plant identification signs and planting flowers at local high school courtyard for Eagle Project

Scholar, All Star Code — August 2020
- Selected as 1 of 50 participants out of over 1,000 applicants to take part in summer intensive program
- Mentored by JPMorgan Chase employees in professional development and programming

SKILLS

Languages: Python, Java, C++, C, HTML, CSS, JavaScript, Bash
Frameworks & Libraries: ReactJS, Bootstrap, Pandas, NumPy, Matplotlib, Scikit-learn
Other: Git, Github, MongoDB, Linux