Nasier G Fowlkes
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EDUCATION

Temple University, College of Science and Technology - Philadelphia, PA **Expected Graduation Date – December 2024**
Bachelor of Science, Computer Science

RELEVANT SKILLS

- Languages & Development: Java, JavaScript, Python, C, C++, HTML, CSS, TypeScript, React, Next.js, JSON, ROS, Agile, XML
- Database & Tools: LATEX, Markdown, Git, GitLab, SQL, SQLite, MYSQL, Linux, Firebase, Jira, Visual Studio, AWS

RELEVANT EXPERIENCE

NASA Lunabotics Competition | Temple Robotics **August 2023 - Current**
Website Development Lead, Programming sub-team leader

- Represented Temple Robotics at NASA's 2024 Lunabotics competition, taking lead roles in web development and team programming initiatives.
- Collaborated in development of an autonomous navigation and digging system with ROS in Python, achieving competition-readiness and meeting essential performance requirements.
- Taking charge of the maintenance and enhancement of the Temple Robotics website, ensuring an engaging online presence at TempleRobotics.org.
- Leading regular sub-team meetings to communicate upcoming changes, facilitate discussions on improvements, and foster a collaborative, effective team environment.

Temple Trading Hub | Web Application Developer **January 2024 - May 2024**
Pre-capstone University project

- Developed an online platform for Temple University students to safely trade goods and services within the campus community, addressing safety concerns in surrounding areas.
- Designed and implemented a full-stack web application using Next.js for the frontend and Firebase for the backend, ensuring a functional and responsive user experience. Utilized Agile methodology throughout development.
- Established and led a team of developers to expand the project beyond its initial scope.
- Implemented user authentication and serverless backend capabilities, enhancing security and scalability.

Owlhacks 2024 – Smart Cities track | Winner | [Devpost Project Link] **October 5th – 6th, 2024**

- Led the development of "InclusiFind", a web application designed to help users find inclusive and accommodative spaces in Philadelphia, supporting individuals with diverse needs in finding accommodating environments.
- Utilized web scraping and Google Maps API to display accessible study locations accommodating both physical and mental disabilities.

Undergrad Research | Environmental science Data Analysis **May 2023 – August 2023**

- Developed Python scripts to organize and generate insightful visualizations from environmental science data, supporting simulation and predictive modeling of future environmental conditions.
- Sourced and integrated data from APIs to enhance the accuracy and relevance of models.
- Utilized Git for version control and operated within the university's Linux server environment.

STEM Outreach **May 2023 – Current**

- Created and led a multi-stage programming and robotics workshop at the middle school I attended, Drexel Hill Middle School.
- Volunteered at youth robotics competitions, including FLL and FRC, taking on roles such as judging and refereeing.
- Mentored a high school robotics team in Pennsylvania, helping to develop their robot for competing in FRC.
- Held workshops at Temple University to introduce newcomers to concepts in computer science and robotics, to increase representation in robotics.

Student IT Support **June 2022 - Current**
Student classroom IT support

- Providing assistance to professors in troubleshooting software and hardware issues, ensuring seamless educational experiences.
- Efficiently addressing and resolving escalated technical challenges with a strong emphasis on timely solutions.
- Demonstrating teamworking ability by effectively coordinating tasks and collaborating with colleagues for optimal support-delivery.