WILLIAM WALLING-SOTOLONGO

Availability: June-August 2022
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Tech savvy, analytical and agile computer science freshman looking to apply my communication and collaboration skills to contribute to your organization's mission

🎓 EDUCATION

Khoury College of Computer Sciences | Northeastern University, Boston, MA
SEPT 2021 – PRESENT
GPA 4.00/4.00 – Dean's list, Computer Science and Business Administration combined major
Relevant coursework: Discrete Structures and Fundamentals of Computer Science 1 and 2

High-School | The Bromfield School, Harvard, MA
SEPT 2017 – MAY 2021
GPA 4.25/4.00 - Advanced Placement (AP) courses: Statistics, Computer Science, Calculus, Physics, Psychology, Human Geography, and Spanish. Activities: Varsity Crew and Swim, Student Council, Robotics

💼 SKILLS

- Bilingual – Spanish (State Seal of Biliteracy with Distinction)
- Team-oriented problem solver and self-driven learner
- Prototyping and AGILE Development
- Languages: Python, C#, HTML, JavaScript, CSS, Java, C/C++, PHP
- Frameworks: Angular, .NETCore, Flask, React, Django
- Technologies: Git, SQL, Mongo, Docker, RabbitMQ, AWS, Firebase, IIS, PWA
- MS Office, Google Suite, and other collaboration tools

⚒ EXPERIENCE

NU SEDS Rover, Northeastern University **| Software Developer**
SEPT 2022 – PRESENT
- Created a rover able to autonomously navigate, relay diagnostics to a **react** app, and use its mechanical arm
- Developed **firmware** in **C++** to communicate sensor data with other systems and **python** code leveraging **ROS**
- Co-Led multiple sub teams to resolve sensor issues and implement new features

Community Software Group (CSG), Worcester, MA **| Full Stack Intern**
SEPT 2021 – SEPT 2022
- Performed **front-end development, API development, data science, containerization, testing automation, cloud services and deployment automation** as part of an international team
- Developed an automation tool used in an IVR to make government fuel assistance programs more accessible utilizing **AWS, ASP.NETCore, SQL, Express.js,** and **Angular**
- Solved a data format problem by intelligently reformatting 300 types of data fields from differently formatted spreadsheets using an **Angular** and **flask** stack with containerized **asynchronous python** jobs

💼 PERSONAL PROJECTS

- **Natural Language Processing app**: Designed a **Django** site to help teachers teach foreign languages by tracking words students don't know, providing translations for students, and extracting text from pictures
- **PWA with Raspberry PI:** Configured a **raspberry pi** with an ultrasonic sensor to serve real time updates indicating if the garage door was open to a progressive web app (**PWA**) using **Firebase**

💼 ACTIVITIES

Cooking, skiing, volleyball, joining hackathon teams, playing the saxophone, reading science fiction, supporting diversity in tech through NEU MULTI, and discussing FinTech as part of the Disrupt club