

Mahdy R. Shuaib

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EDUCATION

Stony Brook University
Bachelor of Science, **Computer Science**

Cumulative GPA: 3.15/4.0
Expected Graduation: May 2021
Credits to Date: 91

SKILLS

Software: **Java, C/C++, Python, HTML/CSS**
Courses: **Data Structures, Programming Abstractions, System Fundamentals, Computer Networks, Theory of Computation, Linear Algebra, Calculus III, Graph Theory, Combinatorics, Probability and Statistics, Analysis of Algorithms**

Work Experience

Outland Analytics LLC | *Stony Brook, NY*
Software Developer

November 2018 - Present

Test and refine software and electronics for acoustic monitoring devices which detect illegal logging. Utilize embedded C to develop cellular communication and sensor data capture functionalities. Review electrical designs and low level chip functionality to optimize software. Responsible for finalizing software updates for deployed products. Graphical design for marketing items.

Stony Brook University | *Stony Brook, NY*
System Fundamentals Teaching Assistant

Spring 2020 – Fall 2020

Held weekly recitations and office hours to teach general system fundamentals and MIPS Assembly language.

Technology Expertise

Python (Proficient), Java (Proficient), C++/C (Domain Specific), Microcontroller programming (Experienced), HTML/CSS (Experienced)

Community Service

- **New York Cares Day for Schools** | *Brooklyn, NY* June 2017
Cooperate with other volunteers to raise funds for Elementary and Middle Schools in the Brooklyn Area. Helped to create a functional learning environment for student development and opportunity.
- **Teensgiving** | *Manhattan, NY* November 2016
Participated in organization that helped to clean the local environment around our community, as well as write letters to Iraq war veterans and employed soldiers.

Languages

English (Fluent)
Arabic (Fluent)