

AROUNEY (ALLIE) SITHTAPHONE

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EDUCATION

University of Rhode Island

Candidate for a Bachelor of Science in Biomedical Engineering

Coursework: Foundations of Engineering, Computer Programming, Cyber Security Technology, The Joy of Programming

Kingston, RI

Expected May 2027

Woonsocket High School | Woonsocket Area Career and Technical Center

High School Diploma, Certification in Computer Science and Game Design

September 2019 - May 2023

SKILLS & AWARDS

Technical Skills: C++, HTML/CSS, Python, Java, Excel

Awards: SkillsUSA Prepared Speech Second Place Medalist (2022), Recipient of \$500 GripTape Learning Challenge Grant for Website Development (2020), IvyHouse Award Leadership Development (2020)

WORK EXPERIENCE

Contract Web Developer

Each Day Communications

Remote

September 2022 - Present

- Spearhead the creation and continuous upkeep of websites through versatile Content Management Systems (CMS) including Squarespace and WordPress, amplifying brand visibility and online engagement
- Effectively collaborate with 5+ clients and stakeholders to gather and refine project specifications, aligning them with precise technical requirements
- Ensure seamless integration of new features across browsers and devices, elevating web-based solutions' accessibility and user satisfaction

Summer Teaching Fellow

Generation Teach (AmeriCorps Service)

Cumberland, RI

July 2022 - August 2022

- Developed and delivered grade-appropriate engineering curriculum to class sizes of 15-30 third and fourth grade students
- Planned and coordinated school-wide events with team members

Summer Program Instructor

Community Care Alliance | The Harbour Youth Center

Woonsocket, RI

July 2020 - August 2021

- Curated a targeted 5-week engineering and public health curriculum for 12 local youth (ages 14-18), fostering their engineering knowledge and skills
- Guided students in executing engineering and presentation-based projects, enhancing their practical understanding of engineering concepts
- Secured a \$3,000 grant from the National Center for Women in Information Technology (NCWIT) to establish a virtual STEM program for 10 local teenage girls (ages 14-19)

Zero Robotics Summer Coding Technician

Community Care Alliance | The Harbour Youth Center

Woonsocket, RI

July 2019 - August 2019

- Assisted in SPHERES (Synchronized Position, Hold, Engage, Reorient, Experimental Satellite) programming and research through collaboration with Massachusetts Institute of Technology (MIT) and Department of Defense (DOD)
- Optimized satellite maneuverability to navigate through space debris dense environments, simultaneously enhancing collision detection and interception accuracy using C++
- Competed in National Aeronautics and Space Administration (NASA) Zero Robotics program in a team of 6; placing 2nd in Rhode Island

PROJECTS

Flu Vaccine and Health Literacy Application

CVS Health | Woonsocket Area Career and Technical Center

Woonsocket, RI

October 2022 - January 2023

- Designed a user-friendly application intended to promote health literacy and flu vaccination accessible for all ages
- Built a dynamic website in HTML/CSS and leveraged strategic marketing techniques to expand the game's reach

3D-Printed Robotic Hand Prosthetic

SkillsUSA | Woonsocket Area Career and Technical Center

Woonsocket, RI

October 2019 - March 2020

- Conducted thorough research and development, resulting in the design and 3D-printing of a lifelike prosthetic hand
- Programmed intricate hand and joint movements with Arduino and C++