

AROUNEY (ALLIE) SITHTAPHONE

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EDUCATION

University of Rhode Island

Kingston, RI

Degree to be Completed: Bachelor of Science (BS) in Biomedical Engineering

Expected 2027

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

Woonsocket High School / Woonsocket Area Career and Technical Center

High School Diploma, Certification in Computer Science/Game Design

September 2019 - May 2023

SKILLS & AWARDS

Skills: HTML/CSS, Python, Java, C++, 3D printing, grant/curriculum writing, web design, client services, Google Suite

Awards:

- SkillsUSA Prepared Speech Second Place Medalist (2022)
- Recipient of \$500 GripTape Learning Challenge grant to design and develop website (2020)
- IvyHouse Award Leadership Development (2020)

WORK EXPERIENCE

Each Day Communications

Remote

Contract Web Developer

September 2022 - Present

- Create and maintain websites using content management systems (CMS) such as Squarespace, Wordpress, etc.
- Work with clients and stakeholders to gather and refine specifications and requirements based on technical needs
- Ensure cross-browser and cross-device compatibility of new features

Generation Teach (AmeriCorps Service)

Cumberland, RI

Summer Teaching Fellow

July 2022 - August 2022

- Solo and co-taught engineering class for classes of 15-30 third and fourth grade students
- Developed and delivered grade-appropriate engineering curriculum
- Planned and coordinated large scale, school-wide events with team members

Community Care Alliance | The Harbour Youth Center

Woonsocket, RI

Summer Program Instructor/Coordinator

July 2020 - August 2021

- Curated an engineering and public-health centered 5-week curriculum for 12 local youth ages 14-18
- Collaborated with staff members to provide mental health and economic resources for teens
- Instructed students in engineering and presentation-based projects
- Wrote and received \$3,000 National Center for Women in Information Technology (NCWIT) grant to create virtual 5-week STEM program for 10 local teenage girls ages 14-19
- Implemented thought-provoking curriculum based around web design, social justice, and leadership development

Community Care Alliance | The Harbour Youth Center

Woonsocket, RI

Zero Robotics Summer Coding Technician

July 2019 - August 2019

- Collaborated with Massachusetts Institute of Technology (MIT) and Department of Defense (DOD) to complete STEM research and programming projects
- Competed in National Aeronautics and Space Administration (NASA) Zero Robotics program
- Programmed NASA space satellites in C++ with a team of 6 and placed 2nd in Rhode Island

PROJECTS

CVS | Woonsocket Area Career and Technical Center

Woonsocket, RI

Flu Vaccine and Health Literacy Game

October 2022 - January 2023

- Designed video game to promote health literacy and flu vaccination
- Marketed game via website (created using HTML/CSS) and social media campaign

SkillsUSA | Woonsocket Area Career and Technical Center

Woonsocket, RI

3D-Printed Robotic Hand Prosthetic

October 2019 - March 2020

- Researched the human anatomy and utilized engineering skills to design and 3D print a prosthetic hand
- Coded realistic hand and joint movements using Arduino and C++