

OWEN HUGHES

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EDUCATION

Northeastern University (Honors)

Mechanical Engineering, BS/MS

Relevant Courses: Mechanics and Design, Thermodynamics

Boston, MA

Expected May 2022

Cab Calloway School of The Arts

Wilmington, DE

June 2017

EXPERIENCE

Northeastern University

Undergraduate Research Assistant

Boston, MA

Jan 2018 - May 2018

- Developed VR game for physical therapy patients
- Contributed to a novel low-cost balance platform to control the game

YMCA

Lifeguard/ Swim Instructor

Wilmington, DE

May 2017 - August 2017

- Instructed young swimmers
- Supervised families at indoor and outdoor pools
- Provided first aid to guests
- Practiced emergency scenarios

SKILLS

Programming - Python, C++, Arduino

Design - AutoCAD, Solidworks, MATLAB, Unity

Shop - Laser cutter, CNC mill, 3D printer

EXTRACURRICULARS

- **Baja SAE** - Assembled parts for offroad vehicle using CNC mills and lathes *2017 - Present*
- **AIAA** - Designed and tested Level 1 model rocket *2017 - Present*
- **Science Olympiad** - Built robot arm with Arduino, led team to win at state *2015 - 2017*
- **National Honor Society** - President, led volunteer work in community *2015 - 2017*
- **Boy Scouts of America** - Senior Patrol Leader, **Eagle Scout** *2010 - 2017*

AWARDS

- **Governor's Volunteer Award** *2014*
- **1st Chair Delaware All State Band, Clarinet** *2014*