

JACOB MITCHENER

✉ jacobpm_97@yahoo.com 🌐 jmitch7.github.io ☎ 240-315-4963 in www.linkedin.com/in/jacob-mitchener 📶 jmitch7

EDUCATION

University of Maryland, College Park

B.S. Mechanical Engineering 2019

GPA: 3.2

Virtus Living and Learning Community

Aug. 2015 - May 2019

Technical University of Denmark, Lyngby, Denmark

Participated in a study abroad program in Lyngby, Denmark, taking classes in mechanical engineering in English.

Jan. 2018 - May 2018

SKILLS

PROGRAMMING LANGUAGES: Java, Python, Matlab, HTML, CSS, C++ (Arduino)

MECHANICAL ENGINEERING SKILLS: PTC Creo Parametric, Autodesk Inventor, Solidworks, Siemens NX

TECHNICAL PROJECTS

Personal Website

- Produced a website using HTML and CSS
- Created a website containing all information about myself and my personal creative projects

April 2018 - April 2018

Alien Invasion Python Game

- Developed a game using Python and the Pygame library
- Using various functions from the Pygame library, users can control the ship and shoot and destroy enemies

Aug. 2017 - Dec. 2017

MECHANICAL ENGINEERING PROJECTS

Vane-Type Inertial Separator Modeling, Group Leader

- Collaborated with four other engineering students to develop a scaling system for a particle-fluid separation apparatus
- Modified Matlab scripts to develop a proper model for the system
- Developed a meeting schedule and organized all group meetings
- Oversaw and contributed to all aspects of the project

Aug. 2017 - Dec. 2017

Beam Project, Team Member

- Designed a beam and performed calculations to assess the stability of the beam with the goal of achieving a high strength to weight ratio
- Constructed the beam and made choices regarding materials and construction techniques
- Produced a detailed final report

March 2017 - May 2017

RELEVANT COURSES

ENME440 - Applied Machine Learning

- Class focuses on solving a particular problem by creating a machine learning algorithm

BMGT461N - Entrepreneurship

- Class focuses on creating a real, operating business through the course of the semester while learning how to successfully run a start-up

ENME351 - Mechatronics

- Class takes a look into signal conditioning, instrumentation interfacing, and more

EMPLOYMENT

Mount Saint Mary's University, Lifeguard, Swimming Instructor, Emmitsburg, MD

- Trained and certified in first aid, CPR, and water rescue
- Able to work individually and on a team to create a safe environment for patrons
- Required fast decision-making and assurance in those decisions
- Taught water safety and worked on confidence in the water and perfecting swimming strokes

May 2016 - Current

ACTIVITIES

Intramural Soccer Captain

Current

Amature Filmmaker (Adobe Premiere Pro, Panasonic G7)

Current

Content Creator for The Odyssey Online

Current