

Jacob Mitchener

Jacobpm723@gmail.com ❖ (240) 315-4963 ❖ Brooklyn, New York ❖ <https://jmitch7.github.io/>

EDUCATION

University of Maryland, College Park

BS, Mechanical Engineering

Aug. 2015 - May, 2019

College Park, MD

- Dean's List Spring 2016, Fall 2018, Spring 2019
- Virtus Living and Learning Community

Technical University of Denmark

Jan. 2018 – May, 2018

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

WORK EXPERIENCE

Sia Partners

February 2020 – Present

Consultant

Manhattan, NY

- Worked with multiple international banking clients to provide solutions primarily to data-centric problems.
- Led the functions of a client's project, organizing nearly 20 resources across consultants and clients.
- Collaborated across teams to find the best solutions to the problem at hand.
- Worked closely with other consultants and bankers and worked to find the strengths and weaknesses of each contributor to optimize productivity across the team and across the project.
- Managed and adjusted for numerous additional asks from the client which resulted in a complete restructuring of the project.
- Acquired, analyzed, and drew conclusions based on large quantities of data to help clients solve their data-related problems.
- Planned and led weekly meetings with clients to review progress and assess additions to the project.
- Analyzed data using Excel, PowerBI, and more.

Equinox Gramercy

August 2019 – March 2020

Front Desk Associate

Manhattan, NY

- Helped members with a wide variety of tasks from greeting them at entry and throughout their time at the club
- Made decisions quickly and worked on solving several problems at once during times with large customer traffic
- Made connections with members to help improve their experience

RELEVANT PROJECTS

Stair-Descending Emergency Device

Jan. 2019 – May 2019

- Developed a design and two prototypes for a product that could transport unconscious emergency patients down a flight of stairs
- Participated in problem definition, ideation, and execution of a final design as well as prototype building
- Collaborated with five other mechanical engineering majors with diverse backgrounds and interests

Author Identification Machine Learning Project

Sept. 2018 – Dec. 2018

- Developed a machine learning technology using Python and the NLTK library
- The program learns several well-known authors and is able to categorize texts based on the algorithm
- The program is also capable of gathering pertinent stylometric data

Vane-Type Inertial Separator Modeling

Aug. 2017 – Dec. 2017

- Led a team of 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

SKILLS & INTERESTS

- **Skills:** Python; Java; Matlab; HTML; CSS; C++ (Arduino); PTC Creo Parametric; Autodesk Inventor; SolidWorks; Siemens NX; Auto-CAD; Microsoft Office Suite; Adobe Premiere Pro; communication; problem solving; self-motivation
- **Interests:** Traveling; writing (Writer for several publications on Medium.com); filmmaking (short films shot on Panasonic G7, edited in Davinci Resolve); films; soccer (former intramural soccer captain)