**Jeremy Maniago**

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**SUMMARY**

Efficient and reliable second-year mechanical engineering student with proficiency in web development, CAD, and robotics/mechatronics, as well as creative designing and teamwork qualities looking for internship position at an engineering firm.

**EDUCATION**

**The City College of New York, NY, NY                                                      2020-present**

**Cumulative GPA:** 3.88

**Degree:** Mechanical Engineering (BE)

* **Coursework:**  Calculus 3 with Vector Analysis, Differential Equations, Engineering Design 1, Computer Aided Drafting, Circuits, Statics/Dynamics, Mechanics of Materials, Computer Methods

**SKILLS**

**Software:** MATLAB and Solidworks

**Programming:** Arduino(C), Python, HTML, CSS, JavaScript, and Java

**Hands-on:** Arduino, Assembly of robots and structures

**Core Qualities:** Efficient analysis and problem-solving, reliability when working in groups or working alone, creative designs and approaches, patient and open-minded

**PROJECTS**

**Baja SAE car (Society of Automotive Engineers), City College New York | Fall 2021 - Present**

* Designed driveshaft guards for off-road Baja vehicle
* Assisted with researching suppliers for items and tools needed to fully assemble the Baja vehicle
* Participated in the renovation team to re-work and improve the Baja SAE shop in the cellar of Steinman Hall

**Reverse Engineering Project, City College New York | Spring 2021**

* Coordinated and collaborated with a team to sketch and re-design a hand-sized portable fan
* Demonstrated 2-D sketching skills and scaled dimensioning
* Referenced different 2-D sketches to design fan in Solidworks
* Examined the fan’s internal assembly via deconstruction and identified areas of improvement

**PROFESSIONAL EXPERIENCE**

**Tech Flex Leader, America On Tech, Inc.                                       New York | September 2019 - 2020**

* Selected in NYC to participate in a year-long web development fellowship program
* Participated in weekly technology classes taught by software engineers at leading technology companies
* Received 160 hours of coding training using HTML, CSS, JavaScript, Repl.it, and Bootstrap
* Paired with technology mentors and professionals that focused on college and career readiness skills
* Attended professional development training sessions as well as career days hosted at leading tech and media organizations
* Designed multiple websites and templates
* Developed communication and presentation skills

**Hackathons, Midwood High School New York | 2018 & 2019**

* Conceptualized and developed a prototype of an app that addresses global climate change and issues (2018)
* Conceptualized a prototype of new traffic lights and system of traffic lights using pseudocode to improve traffic and congestion problems that cause danger to both drivers and pedestrians in dense cities

**AWARDS & ACHIEVEMENTS**

* Member of Arista Honors Society, May 2019 – June 2020
* Developed a portfolio of technology projects that illustrated both the understanding of web development and creativity of designs, 2017 & 2019