Juan David Franco

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**EDUCATION**

**Binghamton University, SUNY, Thomas J. Watson School of Engineering and Applied Science**

*Bachelor of Science in Computer Engineering Expected Spring 2023*

Cumulative GPA: 3.17/4.00

**TECHNICAL SKILLS**

**Language:** MATLAB, C

**Software:** MS Project, MS Word, MS Excel, MS PowerPoint, Solid Edge, Google Drive

**ENGINEERING EXPERIENCE**

**Reverse Engineering Project: PREVE Non-Contact Infrared Thermometer Binghamton, NY**

*Team Leader Fall 2019*

* Collaborated in a team of four to disassemble and examine the functions of the non-contact infrared thermometer we had and state improvements
* Presented complete project PowerPoint including the final report which had the BOM, CAD Drawings, Gantt Chart, and Device Info

**Arduino Project: New Year’s Resolution Generator: 20/20 Visions** **Binghamton, NY**

*Team Leader*  *Fall 2019*

* Collaborated in a team to redesign a fortune teller to now give resolutions in three categories for the New Years
* Constructed on an Arduino Uno Circuit Board for the fortune teller design, created new housing for device, and coded the program used for the fortune teller using Arduino Software
* Presented complete project including research, technical calculations of LCD screen, and design requirements at the Arduino Exposition open to staff, students, and professionals

**C Program to turn Robot 3pi into Programmable Robot Binghamton, NY**

*Co-Leader Spring 2021*

* Collaborated with partner to write a C program to manage number of steps, speed, time, and movement of robot
* Wrote a C program to navigate robot through a warzone, and claim hidden bunkers

**WORK EXPERIENCE**

**The Milestone School**  **Mount Vernon, NY**

*Teacher Assistant*  *Summer 2018-Summer 2019*

* Collaborated with a teacher at summer camp to provide care and guidance for children from ages 4 to 9
* Served as immediate supervisor when instructor was not present by leading the children in daily activities

**Westchester Jewish Community Services, Inc. (WJCS) Mount Vernon, NY**

*Assistant Group Leader*  *Fall 2018-Summer 2019*

* Interacted with kids of elementary school age with homework and participating in activates after school
* Collaborated with fellow members in a good relationship to have a positive atmosphere for the kids

**LEADERSHIP EXPERIENCE**

**Mount Vernon Star Scholars**  **Mount Vernon, NY**

*National Member*  *Fall 2017-Summer 2019*

* Interacted with a mentor to receive guidance deciding on colleges to apply to during the college admissions process

**My Brother’s Keeper**  **Mount Vernon, NY**

*National Member Fall 2018-Present*

* Collaborated with another student to focus on a project to have better healthy foods coming into our school
* Interacted with the Board of Education to better our project to enlist multiple schools in the district