Joshua Verdejo

jover@mit.edu • (914)-486-8173• bit.ly/jover-linkedin

Education

Massachusetts Institute of Technology, Cambridge, MA June 2021
Bachelor of Science, Electrical Engineering and Computer Science (GPA: 4.5/5)
Relevant Coursework
Introduction to EECS via Interconnected Embedded Systems, Software Engineering in Java, Computational Structures, Introduction to Algorithms, Mathematics for Computer Science, Fundamentals of Programming

Relevant Work Experience

Media Lab: Tangible Media Group (MIT), *Researcher, Cambridge, MA* September 2018 – Present
- Studied the Investigation of Behavioral Synchronization via Interactive Art Installation
- Developed and implemented scripts to control motors and airflow for organic interactive art with shape-changing fabric

Ogury Inc., *Pre-Sales Strategies Team,* New York, NY May 2018 – Present
- Design and implement scalable pre-sales strategy, which contributes to deals amounting to over $1M
- Create scripts to automate interactions with APIs in order to gain access to, aggregate, and visualize relevant sales data, including deal stages and structure, intra-office efficiency statistics, and information on recent engagements made within the company
- Provided supporting analysis to Ogury's industry outlook white paper, which was produced and distributed to 10k+ contacts

Computer Science Department MIT, *Teaching Assistant, Cambridge, MA* December 2019 – February 2019
- Worked with students, helping them to work through intermediate programming challenges in Python.
- Attended weekly staff meetings, worked to improve the infrastructure of the class and gave feedback about future curriculum.

Ridgefield High School, *Computer Repair Intern*, *Ridgefield, CT* June 2017 – July 2017
- Upcycled old computers to be re-integrated into the High School, repurposed a broken server as a cryptocurrency mining machine

Leadership Experience

Class Council (MIT), *Social Chair,* Cambridge, MA March 2019 – Present
- Led the effort with class council to run various events to connect students at MIT, such as formals and festivals

The Standard (MIT), *Leader,* Cambridge, MA March 2018 – Present
- Work as a member of the inaugural cohort to create a community for men of color in MIT to be able to develop skills, network, be prepared for life outside of MIT, and work to improve various communities at and around MIT

Edgerton Center (MIT), *Sr. Development Intern,* Cambridge, MA September 2017 – October 2018
- Provided K-12 students with meaningful, hands-on exposure to STEM through mentorship and Maker education
- Exposed schools all over Boston to STEM projects, worked with schools to organize and run STEM fairs for students

Ridgefield HS Student Government, *Executive Board and Class President*, Ridgefield, CT September 2013 – June 2017
- Worked with local students and charity, Feed My Starving Children, to pack and deliver 1M+ meals to impoverished countries
- Led class student government in organizing prom, back to school events, raised tens of thousands of dollars for class

Varsity and JV Volleyball, *Captain,* Ridgefield, CT August 2015 – June 2017
- Worked with and led team to back-to-back state championship victories, participated in various national tournaments

Projects

Projects for Fun
- Designed a Teensy 3.2 powered 32x32 LED matrix on a graduation cap to play custom GIFs
- Built a low cost, Wi-Fi enabled robot with collision avoidance that could be controlled remotely from a website

Google, *CodeU Developer, Cambridge, MA and Santa Clara, CA*
- Participating in regular code reviews, creating components for an open source application using Java, HTML, CSS, and JavaScript
- Meeting with Google employees to discuss professionalism and following best industry practices

Colony Robotics and Robot Development Lab, *Lead Researcher*, New London, CT August 2015 – June 2017
- Led award-winning trials on Brain Computer Interface Controlled Swarm Robotics, with Dr. Gary Parker at Connecticut College
- Observed a 75% average increase in effective control of robots, as measured by travel distance and course completion time
- Lead researcher responsible for design, set-up, implementation, testing, and analysis of the experiment
- Presented and placed at a number of science fairs throughout Connecticut

Awards

National Hispanic Scholar | Office of Naval Research Award | Yale Science and Engineering Award | Western Connecticut Superintendents Award | Hispanic Scholarship Fund Scholar | E-Mentor Advocate Partnership Student of the Year

Skills

3D Modeling | 3D Printing | Spanish| Python | Java | C++ | CSS | HTML | JS | Soldering | Circuit Design | Arduino