DAVID MENA

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EDUCATION

Dartmouth College, Hanover, NH — **June 2020** — **GPA 3.5**
Bachelor of Arts, Major in Computer Science*, Minor in* Mathematics
Relevant Coursework: Object-Oriented Programming $_{(Java)}$, Machine Learning $_{(Python)}$, Algorithms

Italian Study Abroad Rome, Italy — **Fall 2017**
Solidified my knowledge of Italian language and culture as part of an immersive 3-month cultural exchange by living with a host family in the heart of Rome.

Houston Community College, Houston, Tx — **May 2016** — **GPA 4.0**
Associate's Degree in Science
Relevant Coursework: Calculus I&II, Computer Applications I

Houston Academy for International Studies (High School) Houston Tx. — **May 2016** — **GPA 4.00**
Honors/awards: Salutatorian
Activities: Debate Team, MUN, NHS, Founder of Mentorship Program

RELEVANT EXPERIENCE

Machine Learning Club, Dartmouth College — **August 2017 - Present**
Treasurer, Founding Member
- Funded 4 educational lectures from invited guest, trips to tech conferences, and multiple outreach and bonding social events on campus, by organizing fundraisers, creating funding proposals and responsibly managing the club's expense reports.
- Successfully led the Natural Language Processing group which created a Dartmouth Newspaper Twitter Bot, by utilizing basic Markov Models.

Machine Shop, Thayer School of Engineering — **September 2016 – Present**
Shop Floor Manager
- Responsible for training engineering students through their certification on the mills, lathes, laser cutters, and 3D printers.
- Regulated safety and upkeep of shop's multiple facilities through clear transmission of rules and regulations to all users.

LEADERSHIP & SERVICE

Tri-Kap Fraternity Dartmouth College — **June 2018 – Present**
House Manager
- Oversee, schedule, and organize house maintenance.

Crespo Elementary Houston, Texas — **August 2015 – May 2016**
Internship as TA for transitional students
- Achieved a 100% passing rate for ESL students in the 4th grade for the Texas standardized writing exam by collaborating with the faculty to redesign the class curriculum to take into account the cultural and language barrier of the students.

International Leadership Training Cuenca, Ecuador / Houston, Texas — **July 2015 - May 2016**
American Youth Ambassador
- Awarded the title of Young Community Leader by the US Department of State after successfully completing an intensive community development and leadership workshop incorporated as part of an international and cultural exchange in Ecuador. This included community service abroad and in my own community in Houston, Tx as well as the creation of a mentorship program in my high school.

SAMPLE PROJECTS

CS50, Software Design and Implementation, Solo Project — **July 2017**
- Used **C** to build a "Tiny Search Engine", the project was composed of 3 smaller components; a Crawler, an Indexer, and a Querier. All data structures and components used were built from scratch.

CS69, Smartphone Programming, Group Project — **March 2018**
- Used **Java/Android** to create a photo gallery app, that incorporated Google's location API and services, FireBase for cloud storage, SQlite for local storage and a VR component built and implemented from scratch.

CS56, Digital Electronics, Solo Project — **August 2018**
- Used **VHDL** to recreate the 1970's classic game of Atari Pong on an Basys3 FPGA board with a VGA output.

ADDITIONAL SKILLS

Languages: Spanish $_{(Native\ Speaker)}$ Italian $_{(Intermediate\ level)}$