

EDUCATION

Harvey Mudd College, Claremont, CA | *President's Scholars Program* Expected May 2024
Bachelor of Science in Engineering | GPA: 3.2 (Dean's List)

Relevant Coursework: Engineering Design & Manufacturing, Engineering Mathematics, Experimental Engineering, Advanced System Engineering, Electronic & Magnetic Circuits/Devices, Digital Electronics & Computer Engineering, Robot Programming, Principles of Computer Science

Universidad Carlos III de Madrid, Madrid, Spain Spring 2023
Study Abroad Program, Industrial Electronics and Automation Engineering

Relevant Coursework: Control Engineering, Materials Science and Engineering, Neural Networks

The Browning School, New York, NY June 2020
GPA: 3.8/4.0 | Relevant Courses: AP Physics I and II, and AP Physics C: Mechanics

INTERNSHIP/WORK EXPERIENCE

Silvus Technologies, Los Angeles, CA | *Machine Learning Engineer* September 2022 – December 2022

- Implemented Signal Processing techniques with Machine Learning models to localize radio sources
- Experimented with Neural Networks to determine their effectiveness for sensor-fusion and noise reduction

J.P. Morgan Chase, New York, NY | *AI Research Intern* June 2022 – August 2022

- Implemented Machine Learning Ensembling techniques with various BERT and RoBERTa language models to identify self-reported intimate partner violence in social media
- Built a dialog system for an OhmniLabs robot using Google's Dialogflow to provide a framework for future research in Robot-Human Interaction

MIT Lincoln Labs, Virtual | *Teaching Assistant* June 2021 – August 2021

- Facilitated virtual lectures on Control Systems, Computer Vision, Localization, Planning, and Navigation
- Prepared students to program autonomous race cars and complete courses utilizing simulated color, depth, and LIDAR sensors

J.P. Morgan Chase, Virtual | *AI Research Intern* June 2021 – August 2021

- Invented a new system for improving Natural Language Processing with eye-tracking technology (Patent under Application)
- Built, trained, and tested various Deep Learning models on the AWS EC2 framework

MIT Lincoln Labs, Virtual Teaching Assistant June 2021 – August 2021

- Facilitated virtual lectures on Control Systems, Computer Vision, Localization, Planning, and Navigation
- Prepared students to program autonomous race cars and complete courses utilizing simulated color, depth, and LIDAR sensors

Browning School, New York, NY September 2020 – December 2020
Robotics Coach

- Provided insight and advice to the Browning School Robotics team
- Offered assistance with programming, manufacturing, and design to students

IAC IT, Virtual January 2020 – Present
Intern

- Designing and building an arduino-based circuit that responds to alerts from an internal API
- Learning essential skills in project management from high-level members of IAC's IT department

Temenos Dream, Virtual January 2020 – Present
Intern

- Assisting in building a mobile app by developing web apps for data analytics
- Gained valuable experience in marketing and interpersonal interactions with external companies

Browning School, New York, NY September 2020 – December 2020
Robotics Coach

- Provided insight and advice to the Browning School Robotics team
- Offered assistance with programming, manufacturing, and design to students

U.S. Civilian Corps, Virtual June 2020 – August 2020
Intern

- Helped the USCC to revamp their website and social media platforms
- Assisted with database queries for a COVID-related project

Dotdash, New York, NY

June 2019 – August 2019

Intern

- Developed a component-based site for the Dotdash brand
- Built a user-interface for a database using the Node.js framework

Math Kangaroo Trainer, New York, NY

January 2018 – March 2018

Teacher

- Trained lower-schoolers to compete in the Math Kangaroo competition
- Taught math topics including algebra, probability, and game theory
- Had four students score top 20 nationally

Institute for Entrepreneurship, New York, NY

June 2017 – July 2017

Participant

- Completed a five-week, intensive and practical introduction to the world of entrepreneurship and technology
- Designed a web application using the Node.js framework while incorporating APIs

LEADERSHIP EXPERIENCE

InterActiveCorp Fellow, New York, NY

June 2019 – Present

- Selected as a Prep for Prep IAC Fellow to undergo intensive academic and leadership training
- Offered a diverse set of competitively paid eight to ten-week summer internships available across a variety of IAC businesses from Dotdash to The Daily Beast

Prep for Prep, New York, NY

June 2014 – Present

- A highly selective leadership development program that prepares students for placement in leading independent schools and continues to work closely with the students through high school graduation and beyond

Student Diplomacy Corps, China

June 2018 – July 2018

Participant

- Learned about challenges and solutions as China tries to balance economic growth and environmental stewardship
- Met with biologists, professors, and environmentalists and discussed food safety, clean air, and water with international students

PATENTS AND PUBLICATIONS

Publication: “AIR-JPMC@SMM4H’22: Classifying Self-Reported Intimate Partner Violence in Tweets with Multiple BERT-based Models,” **Alec Candidato**, Akshat Gupta, Xiaomo Liu, Sameena Shah. *The 29th International Conference on Computational Linguistics (COLING 2022)*

Patent: “Method for Detecting, Segmenting and Extracting Salient Regions in Documents Using Attention Tracking Sensors” - (pending) US Patent Application No. 17/444,721

SKILLS

Computer: Python (Proficient), Java (Proficient), MATLAB (Proficient), Solidworks, Autodesk Inventor, Autodesk Fusion 360, Adobe Illustrator, Photoshop, Sketchup, HTML, CSS, JavaScript (Node.js) (Intermediate)

Language: Spanish (Proficient), Tagalog (Beginner)

AWARDS

JPB Foundation Scholar (2017), Moody’s Foundation Scholar (2017), FIRST Tech Challenge NYC Champion (2020), Social Media Mining for Health Task 7 Winner (2022)