

Michael Marsella

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EDUCATION

University of California, San Diego

Bachelor of Science: Mathematics-Computer Science

San Diego, CA

Anticipated: June 2020

- Minor in Entrepreneurship and Innovation
- 3.49 GPA

RELEVANT EXPERIENCE

Northrop Grumman – Aerospace Systems

Co-Lead Software Engineering Intern

San Diego, CA

June 2019 – August 2019

- Managed a team of six software engineering interns.
- Presented managerial accomplishments and goals to chief engineers and higher-level management.
- Improved software documentation to increase future team efficiency.
- Migrated a software application to a webtool utilizing C++ and JavaScript.
- Engaged in Agile project management style.
- Collaboratively tested software in simulation environment.

FBI – Cyber Division: Office of Data Exploitation

Software Development Intern

Chantilly, VA

June 2018 – May 2019

- Received and maintained top-secret security clearance (TS-SCI).
- Organized large amounts of data of varying content.
- Wrote software to improve the presentation of data to intelligence analysts.
- Worked collaboratively alongside junior and senior level software engineers.
- Acclimated to full software development process.
- Developed software in a test environment.
- Introduced efficiencies into existing processes.

Mapsella

Founder

San Diego, CA

May 2019 – August 2019

- Established a Shopify based e-commerce business focused on travel gifts.
- Utilized the Google Marketing Platform to gauge consumer perception and product analytics.
- Implemented SEO optimization techniques.
- Conducted market research and competitor analysis.
- Researched and negotiated with foreign manufacturers and sources for product fulfillment.

Major Map Initiative

Member and Software Developer

San Diego, CA

January 2020 – Current

- Utilized Python web scraping tools to extract UCSD course data.
- Worked with graphical libraries to develop a visualization of university course offerings and their corresponding prerequisites.

SKILLS

Technical: Java, C++, C, Python, JavaScript, Unix, Vim/Gvim, SQL, Git, GDB, LaTeX, Microsoft Office, HTML, ARM assembly, MATLAB, Linux, hands-on computer hardware experience, mathematical approaches to complex problems

Language: French (conversational)

Other: Video editing, critical thinking, solid written and verbal communication skills, ability to adapt and learn on-the-fly

LEADERSHIP & ACTIVITIES

The International Sigma Chi Fraternity

Executive board member, Head of Philanthropy

San Diego, CA

Jan 2019 - May 2019