Daniel Milton

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EDUCATION

University of California, San Diego   **December, 2022**
Bachelor of Science: Machine Learning + Minor in Data Science   *San Diego, CA*
- AI Algorithms, Data Structures, Object Oriented Programming
- R programming, Vector Calculus, Linear Algebra, Statistical Methods
- Advanced Data Science, Machine Learning Methods, Data Management
- Tau Kappa Epsilon Fraternity; Data Science Student Society

WORK EXPERIENCE

Qualcomm   **June 2022 – Sep. 2022**
Software Engineer Intern   *San Diego, CA*
- Worked with Unreal Engine 5 and Blueprint Programming Language
- Learned how to work with UE5 Artificial Intelligence features to create functional NPC characters
- Created from scratch a bunny NPC character with dialogue tree, animations, object highlighting abilities, and other functionalities

Qualcomm | Arthur C. Clarke Center   **Jan. 2022 – April 2022**
Software Engineer Intern   *San Diego, CA*
- Became adept at using OpenCV and used several computer vision techniques to scan underwater terrains
- Used a combination of gaussian blurs, changing of color spaces, thresholding, edge detection, and more
- Condensed this into a program that inputs an image and outputs a feature detected top plan

UCSD Stem Cell Program at Sanford Consortium   **Jan. 2020 – Dec. 2022**
Student Web Developer   *San Diego, CA*
- Design, maintain, and update stemcellprogram.ucsd.edu
- Worked frequently with Adobe Photoshop to create new designs on site and social media
- Utilized HTML and CSS to create/tweak web pages

PROJECTS

Flix App   **Dec. 2021 – Jan. 2022**
- Created a movie browsing app for IOS in XCode
- User can tap a cell to see more details about a particular movie, worked with the Movie Database API

Quik Tip App   **Nov. 2021 – Dec. 2021**
- Created a tip calculator application for IOS in XCode
- User can enter bill amount, choose a tip percentage, and see the tip and total value

Trading Bot   **June 2021 – Present**
- Created my own trading bot that trades on the optimal parameters for Bollinger Bands technical trading strategy
- Got these optimal parameters by using historical trading data from Cardano and Chainlink

SKILLS & INTERESTS

- **Skills:** Python, Java, SQL, NoSQL, PostgreSQL, HTML5, Swift, XCode, Git, R, Pandas, CSS, C++, UE5 Blueprints
- **Interests:** Hiking; filming with drones; piano; flying; weight lifting; golf; reading; movies; travel; 3d printing