

DANIELA MOLINA

San Diego, CA

<https://www.linkedin.com/in/dfmolina>

Skilled Software Developer with nearly 4 years of experience in embedded development for unmanned aircraft vehicles and scripting automated tests for the system, with a proven track record of delivering high-quality software solutions. Seeking to leverage technical expertise and problem-solving abilities in a remote or hybrid dynamic team environment.

EDUCATION:

University of California, San Diego | 2017 – 2021

- Bachelor of Science in Computer Science
- GPA: 3.66

TECHNICAL SKILLS:

- **Languages:** C, Python, Java, HTML/CSS/JS
 - **Version Control:** SVN, Git
 - **Tools:** ReactJS, NextJS
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EXPERIENCE:

General Atomics Aeronautical Systems | **Software Developer II** | **Aug 2021 - Present**

- Orchestrated end-to-end software development processes within the waterfall methodology, from initial requirements and documentation gathering to coding, merging, and testing, ensuring seamless integration of new customer-desired functionalities.
- Engineered and implemented an automated testing tool to monitor MIL-STD-1553 data traffic via an existing API, utilizing a blend of C and Python to ensure seamless functionality.
- Initiated the development of Python scripts tailored to automate critical software regression tests, significantly reducing manual effort and enhancing testing efficiency.
- Leveraged VAPS software expertise to craft dynamic real-time graphical Human-Machine Interfaces (HMIs) for aircraft's Attitude Director Indicator (ADI), enhancing user experience and operational effectiveness.

General Atomics Aeronautical Systems | **Software Developer Intern** | **June 2020 - Sep 2020**

- Elevated the robustness, portability, and reusability of an existing automated testing tool framework software, optimizing it for testing unmanned aircraft vehicles across Linux and PPC operating systems.

Growio Application | **UCSD Software Engineering** | **April 2019 - June 2019**

- Collaborated with a front-end team in the development of a user interactive application aimed at assisting users in plant management and identification, utilizing the Flutter SDK and Dart programming language to achieve project objectives.
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AWARDS AND ACTIVITIES:

Innovate & Improve Spotlight Award | **General Atomics Aeronautical Systems** | **August 2023**

- For pioneering the creation of a novel capability for automated test and verification of system communication with hardware payloads.

Women In Computing (WIC) | **University of California, San Diego** | **December 2019 - June 2021**

- Participated in a prominent UCSD organization dedicated to fostering the participation and advancement of female programmers and engineers in the computing field.