

# Logan Corrente

http://corrente.dev

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Mobile : +1-619-609-1636

## EDUCATION

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- **University of California, San Diego** - B.S. in Mathematics-Computer Science 09/2022 - 06/2024  
*Specified in Software Engineering and Embedded Systems*
- **Clovis Community College** - A.S. in Mathematics, Computer Science, and Psychology Graduated  
*Cultivated my love for Computer Science* 01/2020 - 05/2022

## WORK EXPERIENCE

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- **Scripps Institute of Oceanography** La Jolla, CA  
*Makerspace Staff* 04/2024 - Present
  - **Engineering:** Setting up, building, and designing a new makerspace on the Scripps campus. Laser cutters, 3d printers, heavy machinery and other large tools for making.
  - **Software Development:** Continuing from the other makerspace I worked at, I am helping re-implement and redesign the check-in system I pioneered and create a new form of check-in for hundreds of users at Scripps.
- **UCSD ITS** La Jolla, CA  
*Student Intern* 11/2023 - 04/2024
  - **App Development:** Engineering a room scheduling app using Swift that enhances over 60 iPads across campus. Pulls web pages from Carousel and shows users the current schedule for a given room, allows them to swipe between pages, and even offers a way finding service.
- **UCSD Qualcomm Institute** La Jolla, CA  
*Makerspace Intern* 08/2022 - 08/2023
  - **Software Development:** Devised a comprehensive Linux software solution in C/C++ and Python that revolutionized the check-in process for hundreds of students and staff per day using their unique ID's, enhancing the overall efficiency of space utilization.
  - **API:** Integrated the software seamlessly with the Fabman API using JavaScript and Google Scripts, ensuring real-time data synchronization and optimal ID functionality with roughly 10 machines in the space.
  - **Database:** Connected the software with Google Sheets and Google's API using Python, storing thousands of user and staff information for ease of use and heightened functionality.
- **Sante Health Systems** Fresno, CA  
*Workstation Tech Intern* 07/2022 - 09/2022
  - **Automation:** Innovated scripts utilizing PowerShell to extract and synchronize hundreds of unique staff profiles from Active Directory on Windows servers.
  - **Data Analytics:** Observed and manipulated data with thousands of rows for the business using excel with different tools and formulas.

## EXTRACURRICULAR

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- **NASA Academy**  
*L'Space Mission Concept Academy Certificate* 05/2022 - 09/2022
  - **Project:** Fabricated and organized a mock mission to the martian surface in order to gather data on potential life on Mars. Researched tens of scientific instruments and designed a rover, a scientific process, and what to look for in Martian caves.
  - **Science Lead:** Led the science team of around 5 people, planning and organizing meetings and tasks, while researching scientific technologies and instruments to be used in our mission.
- **Google Professional Certificate** 03/2022  
*Data Analytics*
  - **Description:** Completed Google's 180 hour Data Analytics Certificate accelerating proficiency in Tableau, Python with pandas, R and SQL; applied newfound knowledge to optimize data-driven decision-making processes.

## PROJECTS

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- **Web-Based Developer Journal:** With a team of 11 people, created a developer journal with local-first storage, utilizing an agile workflow. Made use of Figma for product design, Zoom for standup meetings, Markdown editors for meeting notes, and Electron.js along with HTML, CSS and Javascript for our developer tools, all sourced through GitHub.
- **2D Platformer:** Developing an indie platformer game using the Monogame Framework in C#. Programmed things like movement, player vision, physics, and many more aspects.

## PROGRAMMING SKILLS

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- **Languages:** C++, C, C#, Python, SQL, Assembly, HTML, CSS, JavaScript, Bash, GLSL
- **Technologies:** UNIX, Git, Windows, Linux, Unity, Unreal, OpenGL, Docker, React