

# Patric Sanchez

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Dedicated university student pursuing a Computer Science and Mathematics degree, eager to leverage a strong academic record and passion for learning into a dynamic internship opportunity. Known for a robust work ethic, adaptability, and a commitment to personal and professional growth. Prepared to apply technical expertise and innovative thinking to contribute effectively in a collaborative environment.

## EDUCATION

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**University of California, San Diego**

Bachelor of Science

Major in Computer Science and Mathematics

La Jolla, CA

Expected June 2026

GPA: 3.84

## RELEVANT COURSEWORK

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### CSE 110 - Software Engineering

- Collaborated in a large team environment using agile methodologies to design, implement, and test software solutions.
- Developed a comprehensive understanding of software engineering principles, with practical experience in version control and test automation tools.
- Integrated a modern build pipeline to streamline the development of a web development project, ensuring efficient production and continuous integration.

### COGS 108 - Data Science in Practice

- Conducted descriptive, exploratory, inferential, and predictive analysis, developing a strong foundation in real-world data science applications.
- Enhanced data literacy and effectively communicated results through reports and presentations.
- Executed end-to-end data science projects, emphasizing practical application and implementation.

## Projects

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### Developer Journal

- Contributed to developing a CRUD web project dedicated to monitoring users' project progress.
- Logged manual inputs for various projects, offering daily, weekly, and monthly calendar views.
- Developed a task-tracking system to monitor progress.
- Leveraged knowledge in Full Stack Web Development, Git, and debugging in Chrome Developer Tools.

### Data Science Project on Economic Impact Analysis

- Performed data wrangling to clean and structure a complex dataset, enabling accurate analysis of economic activity across multiple locations.
- Conducted exploratory data analysis to identify patterns and correlations between key factors, revealing insights into the impact of major events on local economies.
- Developed data visualizations to effectively communicate findings, demonstrating the relationship between event-driven factors and economic changes in various sectors.
- Leveraged knowledge in statistical analysis, Pandas, NumPy, Matplotlib, Seaborn, and Jupyter Notebooks.

## SKILLS

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| • Java, Python, C, C++, ARM Assembly | • HTML, CSS, JavaScript, Node.js |
| • Agile Methodology                  | • CI/CD                          |
| • DevOps                             | • Git                            |
| • Statistical Analysis               | • Windows, Unix, Linux           |
| • Data Structures and Algorithms     | • Object-Oriented Programming    |