

# MARIO PALMA

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## Summary

**Graduate student** studying **computer science** with **website development** and tutoring experience.

## Education

### California State University - Dominguez Hills • Computer Science (M.S.)

December 2024

• **Courses:** Software Engineering, Software Architecture

GPA: 3.78

### University of California - San Diego • Math-Computer Science (B.S.)

March 2018

• **Courses:** Web Development, Algorithms, Data Structures, OOP in C++/Java, Software Engineering

## Skills

Languages: Python, Javascript, HTML, CSS, Java, C++, PHP

Technologies: Unix, Node.js, React.js, Git, Amazon Web Services (AWS)(S3)(EC2)

## Professional Experience

### Salesforce

San Francisco, CA

Software Engineer Intern - Marketing Cloud Team May 2022 - August 2022 & May 2023 - August 2023

- Built component to update and unify delete experience
  - Collaborated with product manager and ux-designer to create user-facing design and behavior.
  - Updated API to update its payload to the front-end component.
  - **Resulted in a component that can be used across multiple teams to unify delete experience.**
- Built feature to upload and store data-activation configuration settings delivered as JSON payload.
  - Created user-facing design and behavior.
  - Collaborated with my team's lead engineer to verify and store JSON payload on the back-end.
  - **Resulted in a component that is a convenient alternative to the wizard flow.**
- Technologies Used: CSS, Javascript, Java, Git

### Internet Brands

El Segundo, CA

Web Developer Intern (Full Stack)

September 2021 - April 2022

- Improved the functionality of WordPress based sites with active user communities.
  - Used JQuery to automatically display a user's newly submitted and approved comment.
  - Implemented preloading images to reduce lead image display time for articles by one second.
  - Implemented Wordpress REST API to update infinite scroll functionality in articles.
  - **Resulted in improved user experience due to implementing modern web best practices.**
- Technologies Used: Javascript, HTML, CSS, PHP, Docker, Git, Google Lighthouse

### El Camino College

Torrance, CA

Computer Science Tutor - Computer Science Pathway Program

September 2019 - May 2022

- Tutored computer science concepts and mentored a cohort of El Camino College students.

## Projects

**Social Media** Built a web app for users to upload and share images using React.js, Node.js, MongoDB.

**Memory Game** Web app for Android mobile devices that measures memory game performance with vibration on and off using JQuery and Google Firebase. Hosted using AWS S3.

## Research

**Prize-Collecting Travelling Salesman Problem (September 2023 - Present)** The goal is to maximize (total profit = total prizes collected - traveling cost) using Multi-Agent Reinforcement Learning. This research is being done under the direction of CSUDH computer science professor Dr. Bin Tang.