

# Angel Prieto

## Career Objective

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Electrical Engineering and Computer Science graduate seeking a software engineering position to apply and further develop my software development expertise, programming skills, and problem-solving abilities while contributing to impactful projects in an efficient, results-driven environment.

## Education

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**University of California, Berkeley**

**August '24**

*Bachelor of Science*

*Minor*

Electrical Engineering and Computer Science      CalTeach Science and Math Education

*Notable Awards:* [Regents' and Chancellor's Scholarship](#) | [Art and Mary Fong Undergraduate Scholarship](#)

*Relevant Coursework:* The Structure and Interpretation of Computer Programs, Data Structures, Great Ideas of Computer Architecture / Machine Structures, Efficient Algorithms and Intractable Problems, Introduction to Database Systems, Introduction to Artificial Intelligence

## Experience

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**Memory Operations Amplification Teaching Tool (MOAT)**

**December '20 - Present**

*Full Stack Mobile Application Developer, iOS Team*

*Los Angeles, CA*

- Contributed to project development by researching iOS application best practices, collaborating with senior software engineers, and working closely with peers to enhance application efficiency, compatibility, and feature set.
- Led front-end development of mobile application interfaces, including navigation, account settings, and game flow (initiation and conclusion), based on designs from Figma.
- Leveraged object-oriented design principles (modularity, reusability, extensibility) with Model-View-ViewModel (MVVM) architecture to future-proof code, simplify page development, and enhance code readability.
- Assisted in back-end development with Realtime Database, supporting user data storage, game lobby creation, and cross-device functionality across various operating systems.
- Managed version control using Git and collaborated with a team of three to merge code and integrate the iOS application on GitHub.

**Berkeley High School**

**January '23 - May '23**

*Apprentice Math Teacher*

*Berkeley, CA*

- Led a ninth-grade math class, where I created, implemented, and delivered engaging lesson plans aligned with curriculum objectives, while adapting content to meet students' skill levels and fostering a supportive learning environment.
- Assessed student progress and adjusted instructional approaches based on individual and class-wide needs, supporting overall academic growth.
- Collaborated with the school's Math Department Lead to support students with IEPs, tailoring lesson plans and instructional strategies to meet individual learning needs and ensure inclusivity in the classroom.

## Projects

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### Portfolio

- Developed a responsive online portfolio using Angular and Bootstrap, showcasing technical projects and skills with a clean, user-friendly interface.
- Deployed the portfolio on AWS, leveraging cloud hosting for reliable access, scalability, and performance optimization.

## Skills

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Languages: Swift, Python, Javascript, HTML/CSS, Typescript, SQL, Java, C

Frameworks / Libraries: UIKit, Firebase, GoogleMobileAds, Angular, PyTorch, Matplotlib, Bootstrap

Databases: MySQL, Realtime Database, MongoDB