

# 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 (MOATT)**

**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 Individualized Education Programs (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