

# KENNEDY CASTILLON-JIMENEZ

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## Education

### University of San Diego

*Bachelor of Arts in Computer Science*

2022 – 2024

*San Diego, CA*

## Experience

### StatRad, LLC

2023 – 2024

*Full Stack Software Developer*

*Poway, CA*

- Directed the creation of Optimizer, an internal data management and scheduling software, reducing operational inefficiencies by 40%
- Leveraged performance metrics and averaging mechanisms, ensures optimal scheduling, maximizing daily capacity while maintaining peak efficiency at every hour of the day
- Enhanced data retrieval and processing algorithms, leading to a 65% improvement in system performance
- Conducted testing and debugging with XUnit framework, resolved 50+ software bugs, enhancing system stability by 35% and decreasing operational downtime by 20% over time

### Nucleus Health, LLC

2022 – 2023

*Software Developer Intern*

*Poway, CA*

- Partnered with a senior developer to understand the software development process, leading to the successful deployment of major features, reducing user-reported issues by 30%
- Coordinated with senior developer to implement rigorous testing and code review processes, leading to an enhancement in code reliability and a significant reduction in bug reports
- Enlisted in regular client meetings, listening to client requirements and presenting software solutions with professionalism and precision

## Projects

### Optimizer | *TypeScript, HTML/SCSS, C#, Angular, ASP.NET Core, REST API, MySQL*

2023 – 2024

The Optimizer is an advanced scheduling tool featuring a robust interface that provides insightful feedback and diverse statistics tailored to individual employees on the schedule

- Involved a full stack implementation with Angular for the front-end, an ASP.NET/C# back-end with a REST API, and a MySQL database for efficient data processing
- Developed the ASP.NET/C# back end to process and manage daily data, reducing the time by 58% of data extraction
- Created RESTful APIs to facilitate scheduling, data extraction, and data update operations, allowing for seamless integration with other systems and easy data retrieval
- Completed HTTP requests to interact with the back-end RESTful APIs, ensuring real-time data updates and synchronization across the application
- Implemented the Test Driven Development (TDD) process, resulting in a 35% reduction in errors and enhancing overall code reliability and quality.

### MotoVE | *Swift, Python, SwiftUI, C, Django, AWS, Mobile-Application*

2023 – 2024

MotoVE is an application utilizing driver data to create a predictive model, enhancing and connecting riders through analysis of track and street performances

- Orchestrated seamless teamwork across departments, fostering coordination between the full-stack mobile app development team, cloud experts, and embedded software engineers
- Led a pivotal role in the full-stack development, from designing and implementing the user interface using SwiftUI to developing the back-end infrastructure with Django and Python, and AWS database integration
- Applied Agile methodology to ensure timely completion of project goals, enhancing team collaboration and productivity

## Technical Skills

**Languages:** Python, Java, C#, C++, Swift, HTML/CSS, TypeScript, JavaScript, SQL

**Developer Tools:** VS Code, Eclipse, IntelliJ, Git Version Control, JUnit, XUnit

**Technologies/Frameworks:** Next.js, SwiftUI, Angular, React, ASP.NET, Django, REST API, MySQL, AWS

## Leadership / Extracurricular

### Association for Computing Machinery

2023 – 2024

*Outreach Chair*

*University of San Diego*

- Managed ACM's role as a hub for student-professional connections, fostering and networking over 150 relationships
- Led the planning and coordination of internship panels within ACM, bringing together 18+ industry professionals to discuss internship opportunities, application processes, and career insights with student members
- Collaborated with a team to facilitate 15+ LeetCode Lunch sessions, where students collectively practiced interview questions and algorithm-optimizing techniques