ERINA LARA

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EDUCATION

California State University, Long Beach (CSULB) | B.S. in Computer Science   **May 2022**
- Relevant Coursework: Data Structures and Algorithms, Software Development Life Cycle

PROFESSIONAL EXPERIENCE

JSat Automation Inc. (Glendale, CA) | Backend Software Engineer   **November 2022 - October 2023**
- Contributed to the development of a Python-based machine tag comparison tool, which compared over 10GB of data, reduced average read time, and boosted productivity for users by over 20%
- Enhanced internal software performance by developing a **Redis** ORM as an internal package to optimize **data caching and storage** for over 100+ data records
- Effectively collaborated with lead engineers to develop a Python-based software suite for online training and record-tracking, actively contributing to feature development and **unit testing** using Pytest
- Constructed wireframes and prototypes for the user interfaces of augmented applications

theCoderSchool (La Palma, CA) | Code Instructor   **June 2021 - June 2022**
- Instructed K-8 students on coding fundamentals (**object-oriented programming**) in Python and Java

LEADERSHIP EXPERIENCE

JSat Automation Inc. (Glendale, CA) | Assistant Project Manager   **March 2023 - October 2023**
- Acted as a liaison between different verticals, providing timely delivery of software and documentation deliverables, including SRS, Architecture Design, Software Versioning, and API documentation
- Enhanced project tracking and productivity by collaborating with technical leads for task delegation and project timeline management, utilizing project management tools and daily **SCRUM** meetings

PROJECTS

Connections 2D (C#, Unity Game Engine) | Browser-based (WebGL) Game | Individual
- Designed and implemented game controllers/functions, utilizing the **Singleton** design, **coroutines**, **events**

HomeView (C#, React.js, MSSQL, AWS, HTML/CSS) | Full-Stack Web Application | Team (5)
- Improved user browsing efficiency by combining over 10 media streaming databases to generate a customized recommendation database, using **asynchronous programming** and **REST APIs**, deployed through Amazon Web Services (EC2, RDS) and tested through **E2E and unit testing** (xUnit, Postman)
- Designed and implemented security, logging/archiving, user management, and rating/review feature

Show Tracker (Java) | Desktop Application | Individual
- Recorded a user's media history of up to 1500+ records through **persistent data storage** and by maintaining a database of a user's logged television shows and movies through a GUI (Java Swing)

TECHNICAL SKILLS

- Python, C#, C/C++, Java, HTML/CSS, SQL, MSSQL, Javascript, Git, Amazon AWS, Docker, ASP.NET, React.js, Visual Studio, Unity, Figma, Postman, MS Office, Jira, Slack, Adobe Lightroom, Photoshop