

# ERINA LARA

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## PROFESSIONAL EXPERIENCE

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**JSat Automation Inc. (Glendale, CA)** | Backend Software Engineer Nov. 2022 - Oct. 2023

- Developed a Python machine tag comparison tool, which compared over 100+ data records, reduced average read time, and boosted productivity for users by over 20%
- Designed and created a Redis ORM as an internal package to optimize **data caching and storage**
- Effectively collaborated with lead engineers to develop a Python software suite for online training and record-tracking, actively contributing to feature development, debugging, and **unit testing** (Pytest)

**JSat Automation Inc. (Glendale, CA)** | Assistant Project Manager Mar. 2023 - Oct. 2023

- Enhanced project tracking and productivity by collaborating with technical leads for task delegation and project timeline management, utilizing project management tools and **agile methodology**

**theCoderSchool (La Palma, CA)** | Code Instructor Jun. 2021 - Jun. 2022

- Instructed K-8 students on coding fundamentals (**object-oriented programming**) in Python and Java

## SKILLS

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- **Languages:** Python, Java, C#, HTML/CSS, C++, SQL, Javascript
- **Frameworks/Tools:** Git, ASP.NET, React.js, Visual Studio, Figma, Postman, Docker, AWS, Unity, Lightroom
- **Project Management/Collaboration:** MS Office Suite, Confluence, Zoho Projects, Jira, Slack, Trello
- **Databases:** MySQL, SQL Server (MSSQL), PostgreSQL, Redis (NoSQL), Java DB (Derby)

## EDUCATION

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*California State University, Long Beach (CSULB)* | B.S. in Computer Science May 2022

- Relevant Coursework: Data Structures and Algorithms, Software Development Life Cycle, Architecture

## SELECTED PROJECTS

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**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)
- Designed and implemented security, logging/archiving, user management, and rating/review feature
- Conducted manual, automated unit, API testing (JUnit and Postman), and **end-to-end** UI testing
- Collaborated with a team of 5 software engineers for project planning, documentation (SRS, Design, Test), and development through daily **SCRUMS**

**Literature Library (Java)** | Desktop Application | Team Project (3)

- Relational database that utilizes Derby and JDBC API to maintain and construct an inventory of writing groups, book titles, publishers, and other related information

**Othello (C++)** | Desktop Application | Individual Project

- Two-player Othello game that utilizes **dynamic memory management** with references/pointers

## INTERESTS

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- 2D JRPGs, photography, billiards, badminton, legos, hanayama puzzles, visually appealing interfaces, beach walks