ERINA LARA

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PROFESSIONAL EXPERIENCE

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 and **unit testing** using 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

- **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

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

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** (xUnit 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

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