Ivy Ly

EDUCATION

B.S.

Computer Science

California State University, Long Beach

2020 - 2024

Long Beach, CA

RELEVANT COURSES

Data Structures

Algorithms

Database Fundamentals

Data Visualization

Software Project Management and Testing

TECHNICAL SKILLS

Programming languages: Java, Python, C++, SQL (PostgreSQL, MySQL), XML, HTML/ CSS, JavaScript, Kotlin, R

Operating Systems: Windows 10/11

Tools: BlueJ, IntelliJ IDEA, Pycharm, DataGrip, MongoDB, Android Studio, RStudio, Visual Studio Code, GitHub, Trello, Figma, Canva

Proficient with Microsoft Suite (Word, Powerpoint, Excel, Outlook, Teams)

CAREER OBJECTIVE

A detailed-oriented individual interested in a tech-driven profession, applying quantitative and qualitative insight to build innovative and user-friendly technology. Motivated to grow and learn from experienced team members.

SELECTED PROGRAMMING PROJECTS

Web Application — *Creator*

In a group of 5 developed a messaging web application. Technical documents were created describing project details. React.js was used for frontend development, Node.js and Express.js for backend development, and MongoDB for database.

Data Visualization and Analytics — *Creator*

Collaborated in a group of 3 to research and use data visualization techniques and strategies to present data related to factors that contribute to the best quality and duration of sleep in an effective way. Utilized the programming language R to transform the datasets into understandable visuals.

WORK EXPERIENCE

CSULB CUDA — *LAEP Student Research Assistant*

September 2023 - May 2024   Long Beach, CA

Performed specialized accessibility evaluations for digital materials using accessibility testing tools (WAVE, JAWS, Color Contrast Analyzer, ANDi) and WCAG 2.0.

Collaborated with an undergraduate student on a research project in relation to instructional design, examining the use of narration voice in online learning.

Supported graduate students with studies by running participants, participating in studies, and creating study materials.

Assisted with evaluating the usability and accessibility of 3 CSULB web pages by conducting a user study, collecting data, and writing technical reports.

CSULB — *UROP Student Research Assistant*

October 2020 - May 2021   Remote

Reviewed and collected information about California Ballot Measures from the database using literature review, qualitative review, and data mining methods.

Independently researched and created a project poster on Propositions in California regarding privacy rights and laws.