Ryan Mello

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Education

B.S. Computer Science, Certificate in Software Engineering and System Design   2025

University of California, Sacramento, GPA 3.5

Committee Chair of the Data Structures and Algorithms Club

- **Lead group discussions** on LeetCode problems, **host mock interviews**, create and present slides during weekly meetings, and **table at campus events** to promote the club

Experience

Buzly   October 2022 – January 2023

Software Engineer Intern

React, Javascript, Tailwind, MongoDB, Node.js, Git, AWS, Docker, Figma

- Implemented a functional **Event Calendar** within the client-end dashboard, enabling users to **add new events, edit current events, and view upcoming events.**
- Over **400 events created in two months by 15 clients**
- Redesigned the dashboard user interface and **implemented new features such as mobile responsiveness, dark mode, and additional dashboard customization**

Projects

Movie Review Application

Java, Spring Boot, MongoDB, React, Javascript, Bootstrap, MaterialUI, Node.js

- Movie Review is a full-stack application that allows the user to **view popular movies** currently in the theater, watch the trailers for those movies, and **write movie reviews**

Solar Sales Dashboard

C#, Blazor, SQL, Syncfusion, Google Maps API

- View all customers, search for current customers, and **add new customers**. Write **notes** between coworkers for better communication and **use the map to get an aerial view**

A* Pathfinding Algorithm Visualizer

Java, Data Structure & Algorithms

- The A* Algorithm Visualizer **demonstrates the algorithm and how it interacts** with starting, ending, and barrier nodes by highlighting the traversed nodes

QRCode.io

Javascript, HTML/CSS, QRCode.js, Node.js

- The QR Code Generator takes in any website link, asks the user for preferred dimensions, and **generates an active QR Code** that, when scanned, instantly directs the user to the site
- The **QR Code can be downloaded to your device** as your set preferred dimensions

Skills

- **Development experience with** Java, Javascript, Typescript, C#, HTML/CSS, React, Spring Boot, Blazor, Tailwind, Bootstrap, Material UI, MongoDB, SQL, MySQL, Docker, AWS