

Ryan Mello

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Website: <https://ryanmello.github.io/advanced-e-portfolio/>

Education

B.S. Computer Science, Certificate in Software Engineering

2026

University of California, Sacramento

- Committee Chair of the Data Structures and Algorithms Club
- Full-Time Student

Experience

Buzly

October 2022 – January 2023

Software Engineer Intern

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

- Redesigned the client-end dashboard frontend using React, JavaScript, TailwindCSS, and Figma Interface Design which improved dashboard ease-of-use and increased current client satisfaction and new client interest by 60%
- Implemented a functional Event Calendar within the dashboard using Day.js that enabled the user to add new events, edit current events, and view upcoming events

Projects

A* Pathfinding Algorithm Visualizer

Java, GUI, Algorithms, Object-Oriented Programming, Software Programming

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

Text Editor Application

Java, GUI, Object-Oriented Programming, Software Programming

- The Text Editor application allows the user to write text, set the font, change the text color, and adjust the font size on a notepad
- The Text Editor also allows the user to download what they've written as a .txt file directly to their computer and open up any downloaded .txt file on their device

QR Code Generator

HTML, CSS, Javascript, 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