

Nicole Magallanes

SOFTWARE ENGINEER

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SKILLS

LANGUAGES: JavaScript, Python, HTML, CSS, SQL, R

FRAMEWORKS & LIBRARIES: Flask, Express, Sequelize, ReactJS, Redux, Node.js

PROJECTS

EVENTURE *JavaScript, Express, ReactJS*

[live](#) | [github](#)

- Established an extensive event and group management system, including features for event and group creation, editing, and deletion, providing a reliable and efficient experience for the user
- Applied role-based access control to provide customized permissions and functionalities, differentiating between group organizers, event attendees, and group members
- Integrated BCrypt for secure password hashing and JWT for session management, along with React authentication routes to manage user login, sign-up, and access to protected routes

PINSPIRE *Python, Flask, ReactJS*

[live](#) | [github](#)

- Utilized Amazon S3 to manage and store images. This integration provided efficient image storage and retrieval, enhancing user experience with faster load times
- Developed a comprehensive board management feature allowing users to create, organize, and manage multiple boards for pin categorization, using React for a dynamic user interface and Redux for state management
- Leveraged Git and GitHub for version control, facilitating collaboration and communication while accurately tracking changes and ensuring code integrity

TASKINGIT *Python, Flask, ReactJS*

[live](#) | [github](#)

- Implemented a user-friendly interface that features a customizable task scheduling system, allowing users to set due dates, prioritize tasks, and establish recurring tasks to enhance workload management
- Added user authentication through Flask, incorporating CSRF protection and using Flask-WTF for form validation to enhance security and ensure a seamless sign-up and login process
- Engineered a Flask-based API using SQLAlchemy to handle CRUD operations, establishing routes for data retrieval as well as project, section, and task creation, which improved backend efficiency and data management

EXPERIENCE

Information Systems Coordinator

Alder Graduate School of Education

June 2023 - June 2024

- Developed a pulse notification system using SQL and Python that enabled timely email alerts to directors regarding supports that were requested from Alder's cohort of 450 residents
- Built and modified over 10 dashboards on Google Data Studio that tracked Alder's KPIs such as resident hiring, alumni outcomes, and academic progression metrics
- Created a live report that compares Alder's enrollment metrics to over 150 graduate schools of education in California to assess Alder's progress towards its strategic growth goals
- Engaged in collaborative discussions involving annual planning and opportunity assessments to review Alder's long-term planning and strategic vision

Data Analyst Intern

Recidiviz

June 2021 - Aug 2021

- Collaborated with the Data Analysis and Data Science team to partner with state governments in assessing the effects of carceral policies. Proposed ideas on leveraging data to visualize incarceration trends and policy impacts
- Used Google Business Intelligence software Looker to design and implement interactive graphs and dashboards that monitored state-level recidivism rates, and visualized key metrics for reentry
- Created a SQL-based metric selector to enable dynamic cross-filtering of real-time prison population data across state, incarceration causes, and demographic factors such as age, gender, and ethnicity

EDUCATION

App Academy - Full-Stack Web Development Program, 2024

University of California, Santa Barbara - Bachelor of Science in Data Science and Statistics, 2023