

# Nicole Magallanes

## SOFTWARE DEVELOPER

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### SKILLS

**LANGUAGES:** Javascript, Python, HTML, CSS, SQL, R

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

### PROJECTS

**EVENTURE**   *JavaScripts, Express, ReactJS*

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

- Established an extensive event and group management system, including features for event and group creation, editing, and deletion, delivering a reliable and efficient performance 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 protected routes with user-specific features

**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.
- Designed and deployed RESTful APIs for user authentication and content management with Flask, SQLAlchemy, and PostgreSQL, ensuring a secure and scalable backend infrastructure

**TASKINGIT**   *Python, Flask, ReactJS*

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

- Implemented a user-friendly interface that features a customizable task and habit scheduling system, allowing users to set due dates, prioritize tasks, and track progress over time to enhance workload management
- Engineered a Flask based API using SQLAlchemy to handle CRUD operations; established routes that support task creation, habit tracking, and data retrieval, 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 and alumni outcomes
- 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 Data Analysis and Data Science team in partnering with state governments to assess the effects of carceral policies. Outlined ideas on how to leverage 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 - 2024

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