

# ALWYN GRANT

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

## SKILLS

Javascript, Typescript, Python, React, Redux, Flask, SQLAlchemy, Express, Sequelize, HTML, CSS, SQL, PostgreSQL

## PROJECTS

**Notflix** (Javascript, Python, PostgreSQL, Flask, SQLAlchemy, React / Redux, AWS)

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

*A pixel-perfect Netflix clone where users can watch, like, and save popular movies trailers.*

- Integrated React Player library to dynamically play movie trailers being fetched from AWS-S3 services on load, as well as autoplaying from the browse feed, enhancing user experience and control.
- Programmed the ability to edit a profile with user experience in mind using React useState and Redux store in tandem to load a profile's existing data when loading an edit form.
- Developed scalable Redux state to manage large amounts of data and reduce taxing API calls being made from the frontend server to the backend server, resulting in React components rendering faster.

**Inkterest** (Javascript, Python, PostgreSQL, Flask, SQLAlchemy, React / Redux, AWS)

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

*A Pinterest clone allowing users to upload images of tattoos, organize them with albums, and follow other users.*

- Implemented Amazon-AWS-S3 services to store and fetch images to considerably increase image load speed.
- Incorporated a many-to-many self-referential relationship using SQLAlchemy's join tables to establish a connection within the database, allowing users to follow and unfollow other users seamlessly.
- Designed complex timed keyframes across 4 different components sharing one temporal space to create a vertical auto-scrolling carousel effect, enhancing the user experience when opening the app.

**Meowdium** (Javascript, Express, PostgreSQL, Sequelize, Pug)

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

*A web app inspired by Medium with a minimalistic approach built with Javascript and Pug.*

- Incorporated PUG as the template engine. With its simplified syntax, block content and mixins were used to dynamically render elements and forms, and heavily DRY up frontend/backend code.
- Utilized Express validators to improve end-user experience by updating the form with error messages, detailing why their submission failed, if applicable.

## EXPERIENCE

### Software Engineer Assistant

*App Academy*

**Dec 2021 - Current**

- Prepared students for technical interview processes by administering technical trivia questions and mock interviews designed to develop and articulate answers to complex questions.
- Reviewed and resolved bugs for students portfolio projects as well as providing insight into project planning, deployment options and DRYing up codebase.

### Accounts Receivable Clerk

*Roto-Rooter Services Company*

**Nov 2018 - Feb 2020**

- Created and submitted over 115 approved proposals for plumbing and/or excavation services to be performed within San Bernardino County totaling up to approximately \$925,000 in sales.
- Performed collection duties to ensure customers paid outstanding invoices within the allotted NET terms utilizing in-house technology and company provided resources to locate and maintain updated contact information, reducing past due open balance amounts by 65% within a 2-quarter period.
- Created and maintained a live profit & loss spreadsheet detailing profits, losses, and accurate forecasting for each month for four southern California branches.

## EDUCATION

**App Academy** | Summer 2021 - Rigorous 1000-hour full-stack software development course with < 3% acceptance rate.

**Keller Graduate School of Management** | Fall 2011 - BA - Computer Information Systems - Anticipated Completion 2024