

SHANNON FALK

Software Engineer

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

Languages: Javascript, Python, SQL, HTML, CSS

Frameworks/Tools: React, Redux, Express, Sequelize, Flask, SQLAlchemy, PostgreSQL, AWS, Docker

Key Skills: Pair Programming, Object-Oriented Programming (OOP), Test-Driven Development (TDD), Scrum Methodologies

PROJECTS

BUNS IN YOUR AREA (ReactJS / Redux / Flask / SQLAlchemy / PostgreSQL)

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

An application that helps people find local, adoptable rabbits.

- Leveraged Flask server routes and SQLAlchemy join queries to reduce the number of calls to the database allowing for quicker load times and an overall smoother user experience.
- Implemented Amazon Web Services (AWS) S3 to increase the efficiency of the server load and to improve the user's ability to upload photos directly from their computer.
- Designed a database to include a self-referential users-to-reviews table utilizing PostgreSQL in order to review other users.

DICEY (ReactJS / Redux / Flask / SQLAlchemy / PostgreSQL)

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

An Etsy inspired application to establish a marketplace for handcrafted tabletop role-playing game content.

- Developed a shopping cart component that handled product data by utilizing localStorage in the Web Storage API which allowed the products in the cart to persist through the app.
- Collaborated with group members using agile software development techniques to swiftly construct a search component.

SIP! (ReactJS / Redux / Express / Sequelize / PostgreSQL)

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

A Yelp inspired application that allows users to search and review businesses that offer afternoon high-tea service.

- Integrated an open-source server-side package to make geocoding possible from user-provided address data.
- Equipped the client-side with an open-source JavaScript library for displaying map data based on the coordinates calculated from the server-side geocoding package.
- Built a custom star rating system that calculates the number of stars based on user input and displays that many stars in the form of individual CSS image tags.

EXPERIENCE

PROGRAMS AND BUSINESS COORDINATOR | University of Pittsburgh

Sep 2018 - Feb 2022

- Nominated for the Orosz Award for Excellence in Emerging Leadership which recognizes staff members who have exhibited excellence in their performance and displayed leadership qualities among their peers.
- Prepared and presented a cost-benefit analysis for hotel accommodations currently in use that showed possible departmental cost savings between \$280 and \$840 per semester by switching vendors.
- Increased the efficiency of the travel reimbursement process by creating a travel resource page for the department websites and building a fillable reimbursement form using Adobe Acrobat Pro.

ADMISSIONS COORDINATOR | Carnegie Museums of Art and Natural History

Feb 2017 - Aug 2018

- Supervised the admissions desks, appropriately fielding between five to 10 escalated member/non-member issues per day.
- Trained new Visitor Services Representatives on museum policies, point of sales software, and museum collections who went on to be promoted within the department.
- Ensured the smooth check-in of school groups during peak group visits season when the museums see between 400-500 students per day.

EDUCATION

Web Development - App Academy | Summer 2022

Bachelor of Science in Business Administration - University of Pittsburgh | 2009 - 2013