

SIMON BALEAN

Full Stack Web Developer, Energy Engineer

🌐 simonbalean.com

☎ (916) 765-7736

✉ simonbalean@gmail.com

in linkedin.com/in/simonbalean

🐙 github.com/simonbalean

Simon is a full stack web developer with a passion to create efficient solutions to challenging problems. He has experience with React, JavaScript, and Ruby on Rails, as well as a background in energy engineering. His passion for programming was a result of his curiosity in learning how things work. With strong teamwork, problem-solving, and interpersonal skills, Simon makes a great asset to any team.

TECHNICAL PROJECTS

The Pour Choice

Full-fledged E-commerce website for a local coffee shop

🐙 github.com/pourchoice

▶ youtube.com/pourchoicedemo

- Built with React.js frontend and Ruby on Rails backend
- Uses Redux.js for state & property management of users and sale items
- Utilizes Stripe API to facilitate credit card transactions on a test network

Taskbase

Content Management System for projects and tasks

🐙 github.com/taskbase

▶ youtube.com/taskbasedemo

- Built with Ruby on Rails using MVC design pattern and RESTFUL routes
- Implements full CRUD and uses ActiveRecord for database management
- Uses Devise for user authentication, Toastr for functional flash messages, and Bootstrap framework for responsive styling

Coin Market Events

Web scraper to gather data and understand how events affect price action

🐙 github.com/coinmarket

▶ youtube.com/coinmarketedemo

- Built via Python to scrape event information onto a data structure and export it to an AWS relational database
- Obtained data of price history at asynchronous intervals and analyze how these events have affected price action
- Used machine learning predictive modelling for trading strategies

PROFESSIONAL EXPERIENCE

Business Development Executive

Azure Black

📅 Winter 2017 - Winter 2018

📍 Various cities

- Contributed to strategic decisions to the development of the world's largest database of ICO presale syndicates
- Internationally cooperated with engineers, designers, and DevOps teams to incorporate data from various sources onto a convenient platform

Engineering Researcher

The Boeing Company

📅 Spring 2018

📍 University Park, PA

- Designed a UAV from raw materials for search & rescue missions
- Integrated stereo-vision, IR, and ultrasonic sensors for autonomous flying

Lead Project Engineer

Ferguson Township Rooftop Project

📅 Spring 2017

📍 State College, PA

- Efficiently designed a full-fledged Solar Energy Conversion System that optimized performance and financial metrics for a local borough
- Finalized a payback period of 6.2 years, with a total savings of over \$350k

EDUCATION

B.S. in Energy Engineering

The Pennsylvania State University

📅 Winter 2019

📍 University Park, PA

Minor in Environmental Engineering

+ Study Abroad: various cities, China

+ Internship Abroad: Guangzhou, China

Software Engineering Immersive

Flatiron School

📅 Spring 2019

📍 Brooklyn, NY

Non-degree Full Stack Web Development

LANGUAGES

React.js	Redux, Hooks	■■■■■
JavaScript	ES6, jQuery	■■■■■
Ruby	Rails, Sinatra	■■■■■
Database	PostgreSQL, SQLite	■■■■■
Python	Pandas, BeautifulSoup	■■■■■

SKILLS

HTML	CSS	SolidWorks	AutoCAD
UX/UI	Mathematica	MatLab	Git
System Advisor Model	Windographer		

ACHIEVEMENTS

- 🏆 Engineering Leadership Award
- 🏆 Sustainable Communities Collaborative
- 🏆 Pennsylvania State University Dean's List

INVOLVEMENT

PSBC Penn State Blockchain Club, VP

EPICS Engineering Projects Community Service

SEE Society of Energy Engineers

SHPE Society Hispanic Professional Engineers

CASA Colombian-American Student Assoc., VP