

William Short

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SKILLS React.js, Redux, JavaScript, Python, Node.js, Flask, Express, TDD, HTML5, CSS3, SQL, Git, Java

TECHNICAL PROJECTS

Indie-Go (Javascript, React / Redux, Python, Flask, AWS S3, PostgreSQL, CSS3, HTML5)

[Live Site](#) | [Github](#)

An Etsy clone for Indie games, lets users browse over 400 preseeded games, create game listings and leave reviews.

- Utilized **AWS S3** to facilitate user uploads for video and photos, storing data as URLs to reduce server and database load times.
- Implemented **React / Redux** to store site-wide state, allowing for information to be displayed across multiple pages without having to dispatch to the server, decreasing user load times and server load.
- Incorporated **Steam API** to seed Indie-Go's database with Indie games on steam, allowing for a rich user experience without the need for other users to upload games.
- Used **SQLAlchemy** to query for information from tables in the **PostgreSQL** database and serve it with **Flask** RESTful routes to a **React** frontend to display to the user.

Harmony (Javascript, React / Redux, Python, Flask, AWS S3, PostgreSQL, Web sockets, SQLAlchemy)

[Live Site](#) | [Github](#)

A discord clone allowing users to chat with each other in real time in channels and servers.

- Engaged with a **team of 4** in an **Agile** environment to design this full stack application facilitating parallel development and allowing every team member to contribute equally to the application.
- Leveraged **web sockets** to work alongside **React / Redux** to update multiple user states for servers, channels, and messages to create seamless and immediate data flow between users.
- Implemented a relational database **PostgreSQL** joins tables between users and servers to allow server owners to add and remove other users as members of servers.

Barista (Javascript, React / Redux, Express, Node.js, PostgreSQL, Google Maps API)

[Live Site](#) | [Github](#)

An Untapped clone where users are able to see local coffee shops and post about drinks they are having.

- Utilized **Google Maps API** to create unique experiences for every user that visits the site by displaying local coffee shop data based on the user's current geolocation.
- Built an **Express** server utilizing RESTful route conventions that works with **Sequelize** to efficiently handle data transfer between the **PostgreSQL** database backend and **React / Redux** frontend to serve data to users.
- Secured user data by incorporating **JSON Web Token** and **Bcrypt** password hashing to protect routes and verify user credentials.

EDUCATION

[App Academy](#) - Full Stack Web Development

July 2021 – January 2022

- 1000-hour immersive full-stack web development intensive with <3% acceptance rate.
- *Learned: Object Oriented Programming, Test Driven Development, Agile work environment and common full stack technologies.*

LEADERSHIP

Metal Cow Robotics, First Robotics Competition Team 4213 - Normal, Illinois

Control Systems Captain

January 2016 – June 2018

- Oversaw a team of **4-7** students in an **Agile** environment to develop a **Java code base** for a 120 pound robot in **under 6 weeks**.
- Headed the development of reusable libraries to reduce repeated, yearly development time by **20%**.
- Programmed with **Java's OpenCV library** for live camera processing for the robot to be able to carry out autonomous actions.
- Represented the state of Illinois as a delegate at the national 4-H conference due to individual **robotics mastery**.

WORK EXPERIENCE

DoorDash / Uber - Normal, Illinois - Courier / Driver (Independent Contractor)

May 2020 – Current

- **Increased profits by > 60%**, recording wait times and price per mile in order to calculate and leverage minimum order amount.
- Achieved a **4.99 satisfaction rating**, providing **> 450 rides in 12 months** with a focus on enhancing customer experience.

Afni - Bloomington, Illinois - Customer Service Specialist / 800 number specialist

September 2019 – May 2020

- Improved customer interactions and overall satisfaction for **5 companies** by streamlining internal communication methods.
- Leveraged interpersonal communication skills to successfully assist **25+ customers daily** with troubleshooting.

Walmart - Normal, Illinois - Online Grocery Program Shopper

July 2018 – August 2019

- Served **> 100 customers daily**, successfully managing online orders, averaging **200 items picked per hour**.
- Re-organized back room to improve workflow efficiency and enhanced equipment inventory accuracy.