

CAMERON WHITESIDE

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[GITHUB](#)

[LINKEDIN](#)

TECHNICAL SKILLS

JavaScript, Python, React, Redux, Node, Express, Flask, SQLAlchemy, Sequelize, PostgreSQL, SCSS / SASS, VBA, Figma, Xd, Illustrator, AfterEffects, HTML5, CSS3, RESTful APIs, Agile Methodologies, Test-Driven Development, Photoshop, Alembic, SQL, JSON, Docker, Git

PROJECTS

GROGGO NEEDS COFFEE (React, Redux, Python, Flask, HTML, CSS, SQLAlchemy, Alembic, PostgreSQL)

[LIVE SITE](#) | [GITHUB](#)

A fun, animated drag-and-drop map builder to demonstrate real-world application of Dijkstra's weighted pathfinding algorithm.

- Engineered a visual interface for translating topographical illustrations into weighted adjacency lists for use in pathfinding algorithms.
- Created lightweight CSS animations with dynamic heatmap visualization to depict algorithmic distance from a source node.
- Preserved state changes through Redux to strategically control re-renders of computationally heavy components.

ONE TO TEN (React, Redux, Python, Flask, HTML, CSS, SQLAlchemy, Alembic, PostgreSQL)

[LIVE SITE](#) | [GITHUB](#)

A modern, data-driven community builder where users can take personality surveys to calculate like-mindedness with others.

- Wireframed a minimalist UI with simple interaction design to encourage users to activate their account and complete multiple surveys.
- Optimized user data storage to minimize space requirements while reducing computational time for matching calculations.

RECIPEOPLE (JavaScript, Node, Express, HTML, CSS, Sequelize, PostgreSQL, Pug)

[LIVE SITE](#) | [GITHUB](#)

A recipe publishing and collecting application with a scalable database design

- Created a design system and programmed interactivity of sitewide graphics, including the profile image selector and whisk rating system.
- Utilized Pug templating and JavaScript DOM-manipulation to build a front-end for adding and modifying recipe ingredients.
- Built database models in Postgres and Sequelize to be compatible with upcoming features such as shopping lists and recipe tags.

HEFFELFINGER SOCIAL NETWORK (React, Redux, Node, Express, HTML, CSS, Sequelize, PostgreSQL)

[LIVE SITE](#) | [GITHUB](#)

A React / Redux / Express prototype of a virtual co-working space where users can post projects, host virtual events, and network with other users.

- Built a library of reusable React components including profile browsers, default-image generators, information cards, and RegEx-powered social media icons with component hierarchy designed to mimic Facebook's live-preview functionality in its "Create A Page" feature.
- Implemented JWT-based authentication with Helmet.js middleware plus functionality for users to create, view, edit, and delete projects.

EXPERIENCE

TIME TRAVELER (1.0X) | *Heffelfinger Business Studios* | *Apr 2020 - present*

- Consulted with early-stage startups on ERP software creation, dispersed team management, and supply chain strategy.
- Created operations and technology departments for a new entertainment company with 40+ remote team members managing weekly live trivia events nationwide and achieved growth from \$0 to \$200,000 ARR in the first 100 days.
- Integrated Google Maps API, Gusto, and Coda to create a custom database with an analytics dashboard to guide recruitment decisions.
- Scored 91st percentile on Customs Broker Exam and engineered a tariff tracking tool to manage Section 301 restrictions through COVID.

BUSINESS DEVELOPMENT - SOFTWARE ENGINEERING EFFICIENCY | *BlueOptima* | *Apr 2020 - Oct 2020*

- Translated technical documentation into a simplified pitch about the company's proprietary SaaS tool designed to quantify impacts of developer commits and how they affect a codebase's volume, complexity, and interrelatedness.
- Consulted Fortune 500 executives on enterprise-level decisions to improve developer ROI, factoring in cost per hour of meaningful change to the codebase vs. maintainability of those changes.

DIRECTOR OF PROCUREMENT & TRIVIA HOST | *Geeks Who Drink* | *Oct 2018 - May 2020*

- Reduced shipping and supply costs by 40% following multivariable analysis of packaging materials, shipment size, and carriers by region.
- Traveled to Guangzhou and Hong Kong to build relationships with foreign manufacturers and re-established a new sustainable Mexico-based supply chain for our pencils by negotiating directly with factories and freight forwarders in Spanish.

VICE PRESIDENT | *LoTech Sales Custom Kitchenware* | *Jan 2010 - Jul 2018*

EDUCATION

BS, CHEMICAL AND BIOLOGICAL ENGINEERING, CERTIFICATE IN ENG. ENTREPRENEURSHIP - *University of Colorado Boulder*

FULL STACK SOFTWARE ENGINEERING - *AppAcademy*