

Cody Defgraffe-Niles

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SKILLS React.js, Ruby on Rails, JavaScript, jQuery, Ruby, Redux, SQL, Git, HTML5, CSS3, MongoDB

Mongoose, Node, Canvas Api

PROJECTS

MINI-XCOM

[LiveSite](#) | [Github](#)

A turn-based game where a user commands a tank squadron constructed with Vanilla JS and Canvas API.

- Incorporated Javascript Object Oriented Programming to create a DRY code base that produced an engaging, responsive gameplay loop against a competent AI opponent.
- Applied HTML5, CSS3 and DOM manipulation to dynamically update the page to refine user experience through concise, clear feedback.
- Employed Canvas Api, Svg images/animation, and timeouts to display real-time movement.

Cacophony

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

Fullstack Clone of Discord where users can join servers and chat in real time powered by React/Redux, PostgreSQL, and Ruby on Rails.

- Leveraged jbuilder files and reducers to properly format and transfer data to reduce load time through reduced backend calls.
- Ensured a shallow Redux state through the use of API calls and Reducers to make sure only the most pertinent information was being stored in the front end resulting in increased front-end performance.
- Applied Action Cables to incorporate websockets ensuring real-time communication between users.

Hoppers

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

An application where users can plan events built by a team leveraging the MERN stack, Mongoose, and Google Map API.

- Built a MongoDB database that efficiently stored and dispatched data using Mongoose and RESTful routes to enhance overall app performance and allow for scalability
- Collaborated, as a backend lead, with frontend engineers to ensure proper data transfer (both volume and format) between the backend and the front contributing to cohesion between engineers and improving overall app performance.
- Implemented a Redux slice of state as well as multi-layer validation system utilising Validtor.js library to create an error handling system for user input that both protects the database from malformed data and returns clear, dynamic errors messages resulting in an improved user experience.

EXPERIENCE

2nd Shift Grocery Lead

Shoptite of Daleville, February 2018 - Dec 2021

- Trained and mentored new hires in effective time management skills, the use of hand-handle inventory trackers, forklift operations, and customer service skills in order to increase their self-sufficiency.
- Developed and implemented a detailed work-flow with clear, individual and group responsibilities resulting in a 80% increase in worker productivity even with pandemic-caused short-staffing.
- Recognized by management for my efficiency and dedication with the Employee of the Month in June 2021.
- Achieved a 99.5%+ attendance rate as well as trained 50% of the grocery staff for a new store, culminating in being extended a Grocery manager position.

- Transported over \$250,000 worth of goods per week safely and effectively with a less than 0.01% damage rate.

Economics Teaching Assistant

Williams College, Fall 2015 - Spring 2017

- Accepted into the #1 Ranked Liberal Arts College with a 15% acceptance rate and excelled in economics, 3.89 major GPA, resulting in being offered an economic teaching assistant position in upperclassmen years.
- Leveraged economic knowledge and communication skills to provide effective and efficient review sessions for 70+ students on economic principles and models, helping them achieve a 95%+ class pass rate.
- Took the initiative to give clear, detailed, written feedback to students on problem sets and communicate class-wide areas of weakness to professors.

Marine Officer Candidate

United States Marine Corps, May - June 2016

- In a high-tempo, high-stress environment, passed all mandatory physical and academic tests with 80% or above.
- Commanded a 4-man fire team in successfully completing two simulated missions.

EDUCATION

App Academy - 16 week-immersive software development course with focus on full stack web development (December 2021 - April 2022)

Williams College - BA - *Economic and Political Science* - 3.71 GPA cum laude (August 2013 - June 2017)