Camille Fogg

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SKILLS

Proficient in JavaScript, Ruby and Rails framework, React, Redux, Python and Matlab. Experience with relational and non-relational databases including PostgreSQL and MongoDB. Extensive work completed with CAD software creating 3D models and engineering drawings, primarily using Solidworks. Skilled in using Git. Accustomed to Linux, Windows, and macOS. Capable of basic MIG welding.

EDUCATION

App Academy, San Francisco, CA   June 2020 - September 2020
- Rigorous 1000-hr full-stack immersive software engineering bootcamp with 3% acceptance rate

Hope College, Holland, MI   August 2016 - May 2019
- Bachelor of Science in Engineering with Mechanical Emphasis (ABET Accredited); Minors in Mathematics and Business; GPA 4.00/4.00; Senior Engineer Award Recipient

PROJECTS

Brava (Ruby on Rails, React, Redux, HTML/CSS, Google Maps API)   [Live Link](#) | [Github](#)
Full-stack app that allows users to log their exercise, including creating custom routes and logging completed activities.
- Incorporated the Google Maps Javascript API and Directions API to calculate and display users' exercise routes
- Implemented Rails associations to allow users to create activities dependent on previously established routes

Volunteerist (MongoDB, Express, React, HTML/CSS, Node.js)   [Live Link](#) | [Github](#)
Team-built MERN app for people to local volunteer opportunities which serve individuals and local businesses.
- Led the development of the backend based on MongoDB, thereby configuring the storage of the app's aggregate data
- Enabled real-time communication between volunteers using Socket.IO to allow for ease of logistics handling

Nurses vs Nonsense (JavaScript, HTML Canvas, CSS)   [Live Link](#) | [Github](#)
Strategy-based game which encourages players to stop individuals from shopping in stores without masks.
- Creatively invented and developed game based on current events to promote healthy community habits
- Incorporated animated sprites and collision detection using HTML Canvas

WORK EXPERIENCE

Qualifai   June 2019 - January 2020
Mechanical Engineering Intern
- Used CAD to design essential components and parts required for the implementation of camera vision systems used for quality control purposes
- Collaborated to implement AI techniques such as initializing and training convolutional neural networks in Python 3

Hope College   May 2018 - May 2019
Engineering Research Assistant
- Collaborated with faculty to advance research regarding active control of civil infrastructure
- Developed, evaluated, and tested multiple methods of real-time control force calculation to be applied by an actuator system through simulation in Matlab
- Joint author on paper in IOP's *Bioinspiration & Biomimetics,* DOI: [10.1088/1748-3190/ab033b](#)

Founding Member of the Hope College Investment Fund
- Chosen by faculty as one of six students out of all who studied business, economics, or accounting
- Co-founded and worked with faculty to create a student-managed investment fund approved by the Board of Trustees

Deliberative   ■   Learner   ■   Achiever   ■   Input   ■   Focus