Kyle Mooney
FULL STACK SOFTWARE ENGINEER

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SKILLS

Javascript (ES6), Python, Flask, SQLAlchemy, React / Redux, Alembic, Express.js, SQL, SQLite3, PostgreSQL, HTM5L, CSS3, Node.js, Git

PROJECT EXPERIENCE

BarMate >> JavaScript, Python, Flask, Flask-SQLAlchemy, PostgreSQL, HTML, CSS   [GitHub](#) **>** [Live](#)
Cocktail recipe website with recipe suggestions, user recipe creation, ingredient management, and rating/review functionality.
- Optimized custom filter queries using Flask-SQLAlchemy to select recipes that a user can make based on their personal stock of ingredients.
- Developed secure API routes in Flask using user authentication and authorization, ensuring access only to authenticated users.
- Implemented interactive user interface in React to reflect bar inventory changes instantly, utilizing efficient state management techniques.
- Configured Redux store utilizing multiple reducers for managing diverse state slices.

Jello >> JavaScript, Python, Flask Flask-SQLAlchemy, PostgreSQL, HTML, CSS   [GitHub](#) **>** [Live](#)
Full stack clone of Trello, an intuitive Kanban style, task tracking software for contributors to visually organize and prioritize tasks.
- Built an interactive review system with in-line editing using Redux for state management.
- Maintained code quality and stability by managing the main branch with Git best practices, including branch protection and pull requests.
- Wrote efficient and maintainable queries to interact with PostgreSQL databases.
- Developed reusable JavaScript function to format date objects into a standardized format for comments.

WORK EXPERIENCE

Guardian Tree Experts > Ann Arbor, MI
  >> *Head of Technology & Administrative Support*   **February 2022 – Current**
- Tracked and managed employee time records using both SingleOps (business management software) and Quckbooks.
- Maintained company client list, normalizing the data of over 13,000 entries.
- Handled incoming calls from prospective and existing clients, scheduling consultations as well as anything else they may need.
- Functioned as a go-to resource for my colleagues for any technology-related issues.

  >> *Plant Health Care Assistant Manager*   **March 2020 – February 2022**
- Trained and set daily routes for Plant Health Care (PHC) Technicians as needed, on top of regular PHC Technician tasks.
- Managed PHC department (3 technicians) in fall season, overseeing $180,000 worth of services.

  >> *Plant Health Care Technician*   **February 2019 – March 2020**
- Treated client's trees and shrubs for fungal diseases and insect infestations, among other arboreal health needs.

Cardno >> *Ecological Restoration Technician* **>** Brighton, MI   **February 2017 – January 2019**
- Restored and maintained native grasslands and prairies throughout SE Michigan, providing habitat for native pollinators and increasing biodiversity while managing the spread of invasive species through both chemical and cultural means.

Conservation Corps of Minnesota & Iowa >> *Crew Member* **>** Ames, IA   **February 2015 – December 2016**
- Assisted various county conservation boards in Iowa, the Iowa Department of Natural Resource, the National Park Service, US Fish and Wildlife Service, and the Bureau of Land Management in various ecological projects, including invasive species control, trail building, and prescribed burns.

EDUCATION

APP ACADEMY >> 1000+ hours Full Stack Web Development   **Completed February 2024**

UNIVERSITY OF MICHIGAN >> *Bachelor of Science in Environmental Science* **>>** Ann Arbor, MI   **2009 - 2014**