Titus Smith

tituscsmith.github.io

New-Grad developer with experience in designing and implementing user interfaces and databases

EDUCATION

University of Wisconsin-Madison | USA

B.A. Computer Science, Music | Expected May 2021 | 3.85 / 4.0 GPA | Phi Beta Kappa Honors | Dean's List

RESEARCH

People and Robots Laboratory | University of Wisconsin-Madison

Undergraduate Research Assistant | Jan 2021 - May 2021 | Advisor: Emmanuel Senft, Research Associate

- ❖ Research is part of a NASA ULI project to develop new methods for collaborative robots on aircraft manufacturing.
- ❖ Designing and implementing a new GUI that facilitates the authoring of high-level robot behaviors
- ❖ GUI is implemented with React and communicates with ROS through its corresponding Javascript library
- ❖ Interface goal is to enable users to design trigger-behavior programs for immediate and state-based tasks

RECENT PROJECTS

- ❖ **Mumbler Social Media App:** Individually developed a social media app with React, Redux, Google Firebase, and Materialize. Users are able to post, view, save, comment on, and react to posts. Additionally, the app supports comment notifications, user following, profile pictures, swear word filtering, post limits and admin privileges. Makes use of Firebase Firestore, Authentication, Functions, and Storage. Personal Project.
- ❖ **Calorie Crusher Mobile App:** Individually created a fitness and meal tracking mobile app with React Native in tangent with an existing API. Made use of paper prototyping as well as interactive prototyping with Adobe XD. Users are able to set nutrition and activity goals, log meals, log activity sessions, and track daily progress to goals. Integrated accessibility features to support screen reader use. Academic Project
- ❖ **Movie Database Web App:** Collaboratively implemented an IMDB-like web application with MySQL, PHP and Materialize. Refined the schema to 3NF. Features include user-control access, search filtering across multiple tables, a movie rating system, and additional admin privileges. 3 person academic project.

NON-TECHNICAL WORK EXPERIENCE

Camp Iawah | Godfrey, ON, Canada

CREW Leader | SUMMER 2019

- ❖ Facilitated three-week leadership programs for sixteen 14-15 year olds, supervising shifts, activities, and community-building.
- ❖ Provided one-on-one mentorship to the males in the programs
- ❖ Coordinated with a team of four staff, reporting to the Team Leader

Co-Head of Ski & Board | SUMMER 2018

- ❖ Provided initial and ongoing training to sixteen Ski & Board staff, teaching the driving of tow boats, emergency procedures, and the instruction of all water sports
- ❖ Supervised all Ski & Board participants & staff to facilitate a safe, fun and challenging environment
- ❖ Delivered boat maintenance, weekly cleanings, oil changes, fueling and the upkeep of the activity

LANGUAGES AND TECHNOLOGIES

Proficient: JavaScript · React · Redux · React Native · Java · C · HTML · Firebase · VS Code
Project Experience: Dialogflow · Swift · Bootstrap · Materialize · AdobeXD · SQL · GraphQL · ROS · Node.js · MySQL · MongoDB · Accessible Design