

Titus Smith

tituscsmith.com

New-Grad Developer. Full-Stack Experience. User-Centric-Design. Team Player.

EDUCATION

University of Wisconsin-Madison | USA

B.A. Computer Science, Music | 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 - | Advisor: Emmanuel Senft, Research Associate

- ❖ Research is part of a NASA ULI project to develop new methods for collaborative robots for aircraft manufacturing. Our part of the project specifically focuses on riveting processes, seeking to improve both ergonomic hardships on aircraft workers and job performance.
- ❖ Designing and implementing a GUI with React that facilitates the authoring of high-level robot behaviors. The interface enables users to design trigger-behavior programs for immediate and state-based tasks like kitting, assembling, and sorting.

RECENT PROJECTS

- ❖ **Mumbler Social Media App:** Individually developed a social media app with React, Redux, 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, admin privileges, and more. Makes use of Firebase Firestore, Auth, 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 Adobe XD for Prototyping. Users are able to set nutrition and activity goals, log meals and 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, a movie rating system, and additional admin privileges. 3 person academic project.

LANGUAGES AND TECHNOLOGIES

Proficient: JavaScript • React (Redux) • React Native • C • HTML • Node.js • VSCode

Project Experience: Dialogflow • Java • Swift • Bootstrap • Materialize • AdobeXD • SQL • GraphQL • ROS • MySQL • MongoDB • Accessible Design • Firebase

NON-TECHNICAL WORK EXPERIENCE

Camp Iawah | Godfrey, ON, Canada

CREW Leader | SUMMER 2019

- ❖ Facilitated community-building, activities and shifts in three-week high school leadership programs
- ❖ Provided one-on-one mentorship to 11 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 & ongoing training to 16 staff, including towboat driving and curriculum instruction
- ❖ Supervised Ski & Board participants to facilitate a safe, fun and challenging environment
- ❖ Delivered boat maintenance, weekly cleanings, oil changes, fuelings and the upkeep of the activity