

# Titus Smith

tituscsmith.com

New-Grad Developer. Full-Stack Experience. Team Player.

## 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 for aircraft manufacturing. Our part of the project focuses specifically on riveting processes and improving both task performance and ergonomic hardships on aircraft workers.
- ❖ 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, 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 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 across multiple tables, 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 a three-week leadership programs for 16 teenagers
- ❖ 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

- ❖ Supervised Ski & Board participants to facilitate a safe, fun and challenging environment
- ❖ Provided initial & ongoing training to sixteen staff, including towboat driving and water sport instruction
- ❖ Delivered boat maintenance, weekly cleanings, oil changes, fuelings and the upkeep of the activity