

Elijah Smith

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EDUCATION

Computer Science (BS), Mathematics Minor

Orlando, FL | May 2023

UNIVERSITY OF CENTRAL FLORIDA, 4.0 GPA

Organizations: Knight Hacks, STEM Ambassadors, WEAR Lab, Google Developer Student Club

EXPERIENCE

IMC | SOFTWARE ENGINEER - PLATFORM DEVELOPMENT

Chicago, IL | Aug 2023 - Present

- Creating and maintaining next-generation tools for deploying and managing trading applications.
- Collaborating with developers and system engineers to address needs and cut time-to-deployment.

IMC | SOFTWARE ENGINEERING INTERN

Chicago, IL | Jun - Aug 2022

- Created an internal simulation tool for Kubernetes clusters using Golang and deployed with Helm charts.
- Designed a dashboard for visualizing results in TypeScript and React.

FLORIDA BLUE | APPLICATION DEVELOPMENT INTERN

Remote | May - Aug 2021

- Worked with the Enterprise Reporting Core Capabilities team to develop new report management tools using React, Node.js, Express.js, and MSSQL.
- Implemented server routes for fetching report data, wrote automated data integrity tests, designed new report formats, and improved content presentation and accessibility.

WEAR RESEARCH LAB AT UCF | RESEARCHER, TEAM LEAD

Orlando, FL | Oct 2019 - Jan 2022

- Project manager and software dev on the Wearable Feedback for Environmental Interpretation project (WeFEI).
- Utilized IMU readings, object recognition, and both vibro-tactile and auditory feedback to direct visually-impaired individuals through locating and reaching items as well as traversing sharp changes in elevation.

KNIGHT HACKS | PRESIDENT, FRONT-END TEAM

Orlando, FL | Aug 2021 - Mar 2023

- Overseeing club operations, conducting interviews, providing check-ins with and resources for members of leadership, and planning weekly events to help 300+ students grow technically and non-technically.
- Developing an internal admin tool using React and Tailwind CSS to facilitate responsibilities of our hackathon organizers during and leading up to Knight Hacks 2023.
- Previously served as Vice President and Projects Director during the 2021-2022 academic year.

PROJECTS

BEARMAX

PYTHON, ROS2, TENSORFLOW, OPENCV-PYTHON, JAVASCRIPT, MONGODB

- A companion robot for children with autism to facilitate social and emotional learning.
- Developed an interactive game to help children learn how to express core emotions, as well as related communications and miscellaneous work on other software systems.

MOBILE DECK OF CARDS

TYPESCRIPT, EXPRESS.JS, SOCKET.IO, MONGODB ATLAS, AZURE

- Developed the backend Express server and debugged front-end React Native code for a mobile app that allows groups of up to 8 play any impromptu game involving cards.
- Implemented game logic, authentication routes, replay storage and retrieval, and client-server socket connections.

BANDNAMES

TYPESCRIPT, CHROME API

- Passion project Chrome extension to provide username suggestions in the form of ridiculous band names.
- Allows selection from a pre-generated list or mix-and-matching new combinations of a noun and adjective.
- Configuration for URLs to open popup automatically when navigating to specific sites.

SKILLS

Advanced: Golang, Java, TypeScript

Proficient: C, Dart, Python, SQL

Technologies: Docker, Helm/Kubernetes, React, Flutter, REST, ExpressJS, Cloud Computing

Soft Skills: Problem Solving, Agile, Team Leadership, Self-Motivated Learner, Communication