

Jesse Perkins

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Education

4.0 GPA | B.S COMPUTER SCIENCE | UNIVERSITY OF KENTUCKY | JUNIOR

- Dean's List All Semesters
- Graduating December 2023
- Related coursework: Systems Programming, Algorithms/Data structures, Database Systems, Web Programming, Computer Networking, Computer Graphics.

Experience

UK SOLAR CAR TEAM | AUGUST 2022 - PRESENT

- Collaborated with a multi-disciplinary team to design and develop critical embedded systems and dashboard GUI, utilizing C++, Arduino, ChibiOS, Dart, Flutter, and Git technologies.

LINE COOK | FIRST WATCH | JUNE 2021 - PRESENT

- Coordinated with a team of cooks to prepare high quality meals in an efficient manner.

Projects

TODO-LIST APP

- Developed a task management application using **React** that allows users to create, edit, and delete tasks in a responsive user interface.

EMBEDDED SYSTEMS PROJECTS- UK SOLAR CAR

- Responsible for the enhancement of several critical embedded subsystems for a solar car, including implementation of multi-threaded processes on an RTOS, inter-board communication over CAN, and interfacing with on-board devices. Utilized **C++** and the Arduino library.

DASHBOARD GUI- UK SOLAR CAR

- Developed widgets to display important information such as cruise control status and battery current to the driver on a GUI dashboard. Written in **Dart** using the Flutter framework.

LOCAL FILE-SHARING SERVICE

- Built a local file-sharing service with **Python**, allowing clients to request files from a central server, which leverages peer-to-peer networking to search and retrieve files from other machines connected to the service.

Skills & Abilities

PROGRAMING LANGUAGES

- C/C++, Python, C#, JavaScript, HTML, CSS, Dart, MySQL.
- Skills: highly motivated, fast learner, working under stress, self-awareness, programming fundamentals.