Ben Holland

330.703.8105 • benholland1024@gmail.com • https://www.benh.cloud

Education

The University of Akron (3 semesters)   Akron, Ohio
B.Sc. in Biomedical Engineering   September 2023 – December 2024
GPA: 4.00

Kent State University   Kent, Ohio
B.Sc. in Computer Science   September 2015 – May 2019
GPA: 3.16

Experience

Undergraduate Research Assistant - BioEngineering for Translational Applications Lab   Akron, Ohio
https://www.beta-lab.org/   February 2024 – Present
- Programmed a Raspberry Pi with Python and JS to control custom PCB circuitry.
- Used SPI, PWM, interrupts and multithreading to read from sensors and update touch screen data.
- Used 3d modeling and resin printing. Wrote and edited research proposals and papers.

STNA - O'Neill Healthcare   Lakewood, Ohio
- Assisted nurses, including wound care and taking resident vitals.   December 2022 – December 2023
- Assisted residents with activities of daily living.

Front-End Developer - Casentric   Cleveland, Ohio
- Used VueJS and Vuetify to design the main interface for a single-page   August 2021 – December 2021
  insurance management web app.
- Used Axios and GraphQL to work with data from the project's Django server backend. Used UML to model data.

Designer and Developer - Startup Stirfry   Kent, Ohio
https://startupstirfry.com   September 2018 – May 2021
- Worked on a variety of contract jobs, on design and development projects.
- Worked with several start-ups. Projects included app interface design, API programming, database set up, and marketing.

Developer - Technologix   Kent, Ohio
- Designed and developed web interfaces for tracking company data and   March 2017 – May 2019
  tables at trade shows.
- Used VueJS for the UI, and Axios to interact with a Python server and MongoDB database.

Activities

Volunteer – Greater Cleveland Food Bank   Cleveland, Ohio
- Performed tasks like hot food prep, donation intake, and distribution.   March 2022 – September 2023

Co-leader – HacKSU   Kent, Ohio
- Organized and taught weekly programming lessons at Kent State University.   February 2016 – May 2019

Additional

Programming languages: Python, C, C++, JavaScript (Node, Vue, React), SQL, Bash, OOP, HTML, CSS.
Technical skills: Linux, FreeRTOS on ESP32, Arduino, Nginx server management, UML, 3d modeling.
Languages: German at the A2 level. Working towards proficiency in Spanish.
Hobbies: Drum set and guitar, guitar pedals, cooking, reading, circuitry and PCB design, coding.