

# Ben Holland

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## Education

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### The University of Akron (3 semesters)

B.Sc. in Biomedical Engineering

GPA: 4.00

Akron, Ohio

September 2023 – December 2024

### Kent State University

B.Sc. in Computer Science

GPA: 3.16

Kent, Ohio

September 2015 – May 2019

## Experience

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### Undergraduate Research Assistant - BioEngineering for Translational Applications Lab

<https://www.beta-lab.org/>

Akron, Ohio

February 2024 – Present

- Programmed a Raspberry Pi with Python and JS to control custom PCB circuitry.
- Designed & fabricated a novel pulse duplicator system.
- Used 3d modeling and resin printing to create needed structures for the system.
- Read research papers. Wrote and edited lab proposals, papers and abstracts.

### STNA - O'Neill Healthcare

Lakewood, Ohio

December 2022 – December 2023

- Assisted nurses, including wound care and taking resident vitals.
- Assisted residents with activities of daily living.

### Front-End Developer - Casentric

Cleveland, Ohio

August 2021 – December 2021

- Used VueJS and Vuetify to design the main interface for a single-page insurance management web app.
- Used Axios and GraphQL to work with data from the project's Django server backend.

### Designer and Developer - Startup Stirfry

<https://startupstirfry.com>

Kent, Ohio

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, and database set up.

### Developer - Technologix

Kent, Ohio

March 2017 – May 2019

- Designed and developed web interfaces for tracking company data and tables at trade shows.
- Used VueJS for the UI, and Axios to interact with a Python server and MongoDB database.

## Activities

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### 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

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**Programming languages:** Python, C, C++, Java, JavaScript (Node, Vue, React), SQL, Bash, OOP, HTML, CSS

**Technical skills:** Linux, Nginx server management, UML, Affinity Designer, 3d modeling and printing,.

**Languages:** German at the A2 level. Working towards proficiency in Spanish.

**Hobbies:** Playing music on the drum set and guitar, cooking, reading, circuitry and PCB design, coding.