Jack Ersbo
Full-Stack Software Developer

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Professional Summary

I am a recent bootcamp graduate who is looking to break into the software development industry. I am a motivated, curious, flexible individual with a passion for web development. My ideal work environment is one where I can grow and learn from other talented and enthusiastic developers.

In brief, I love to code.

>   **Languages**: HTML | JS/JSX/TypeScript | CSS | Python
>   **Libraries & Tools**: React | Redux | Express | MongoDB | PostgreSQL

Web Projects

LISTR
· **Stack: Node.js, React, Express, PostgresSQL, Sequelize**
· A list and task-planning application with full REST/CRUD functionality. I originally built this for my partner and I to use for our weekly trips to the grocery store. Thus, it is mobile-only.
· Found here: **https://listr-ersbo.herokuapp.com/**!

PARKSPOT
· **Stack: Node.js, React, Express.js, PostgresSQL, Sequelize**
· A marketplace for listing and reserving parking spots in people's yards. Its primary use-case is during college football season here in Madison, WI. Mobile and desktop supported.
· Found here: **https://parkspot-client.herokuapp.com/**.

MARSHES' MELONS
· **Stack: Node.js, JavaScript, jQuery, Phaser.js, Express.js, MongoDB**
· A platformer-style browser game that utilizes Phaser.js, a game engine library, in conjunction with the HTML canvas element and other DOM manipulation methods. Desktop only.
· Found here: **https://jhersbo.github.io/marshes-melons/**!

Education

CERTIFICATE | SEPT 2021-MAY 2022 |
UNIVERSITY OF WISCONSIN, COLLEGE OF ENGINEERING

Grade Average: 3.98/4

This program consisted of two components: a short (2 weeks) intro course and an extended (28 weeks) bootcamp. To qualify for the extended component, students were required to pass a technical exam on basic DOM manipulation and an oral interview. In addition to three must-pass "milestone projects", I completed and demonstrated proficiency with the following topics:

- Node.js, HTML, CSS, JavaScript, and DOM manipulation
- React.js
- Redux & other state management libraries
- Testing with Jest and React Testing Library
- Backend development & APIs
- Server-side view rendering
- SQL and data modeling
- Cybersecurity: Encryption, data hashing, XSS attacks, role-based auth, best practices
- Building with Python (Flask, Django)
- UI/UX principles and best practices
- Deployment and DevOps
- Version control/Git
- Object-oriented-programming

BACHELOR'S DEGREE | MAY 2020 | UNIVERSITY OF WISCONSIN-MADISON

· Major: Neurobiology
· Minor: Global Health Studies
· GPA: 3.798

Professional Experience

LAB MANAGER & SENIOR RESEARCH SPECIALIST
UNIVERSITY OF WISCONSIN SCHOOL OF MEDICINE AND PUBLIC HEALTH
LARYNGEAL PHYSIOLOGY LAB
MAY 2020 – JULY 2022

· My responsibilities included managing twenty undergraduate researchers, general lab upkeep, grants administration, and pursuing my own research. I oversaw the production of over a dozen scientific articles, including my own publications—an example below:
Fang, Yanqing; Zhang, Kun; **Ersbo, Jack H**.; Chen, Bing. *The Impact of the Frequency-Specific Preoperative Sensorineural Hearing Loss to Postoperative Overclosure of Bone Conduction in Stapedotomy. Otology & Neurotology*: October 2021 - Volume 42 - Issue 9 - p 1314-1322

UNDERGRADUATE RESEARCH ASSISTANT
UNIVERSITY OF WISCONSIN SCHOOL OF MEDICINE AND PUBLIC HEALTH
LARYNGEAL PHYSIOLOGY LAB
APRIL 2018 – MAY 2020

· My responsibilities primarily consisted of pursuing independent research. In my second year, I was selected to lead one of the lab's undergraduate research teams. We specialized in studying vocal fold tissue mechanics and their changes when undergoing various physiological changes. This resulted in a publication and surgical conference poster and presentation.