

Brandon Lai

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Experience

LinkedIn

May 2021 - August 2021

Software Engineer Intern

San Francisco, CA

- Incoming 2021 Summer Software Engineer Intern

Develop for Good: Akron Children's Hospital

April 2021 - June 2021

Software Engineer

Akron, OH

- Developed a mobile application using React Native and Expo to standardize photographs and differentiate between normal skull shape and irregular head shapes that can lead to severe developmental delays
- Reduced the number of cases requiring parents to drive to Akron for time-consuming in-person visits **by 90%**

Smoodi

June 2020 - September 2020

Software Engineer Intern

Boston, MA

- Designed a new efficient user interface using Figma to match the new hardware of the self-cleaning smoothie machine, reducing necessary user interaction **by 50%**
- Developed a new snappy web application based on UI design using the Svelte framework, HTML, CSS, and JavaScript, decreasing latency **by over 96%**
- Wrote **3** automation scripts to enable auto-starting of user interface application on download to a machine and on machine reboot to reduce maintenance operator onboarding time **by 3 hours**

Smoodi

June 2019 - August 2019

Product Manager Intern

Boston, MA

- **Ideated** various concepts of a touchscreen user interface (UI) and experience while conducting **user research** during pilots and special showing events by gathering feedback from **30** users per event
- **Designed** and **developed** a prototype user interface and user experience using Adobe XD, HTML, CSS, JavaScript, and Apache Cordova to create intuitive and aesthetic UI for the self-cleaning smoothie machine
- Collaborated with **3** cross-functional teams to develop a **marketing** plan for the new UI
- **Launched** the new UI feature at a pilot with a local convenience store, improving average user ratings **by 80%**

Education

Vanderbilt University

August 2018 - May 2022

Bachelor of Science in Computer Science, Bachelor of Arts in Economics

Nashville, TN

Relevant Coursework: Algorithms, Programming Languages, Software Design Patterns, Data Structures, Digital Logic, Computer Organization, Discrete Mathematics, Linear Algebra, Multivariable Calculus

Skills

Languages

C++, JavaScript, Python, Java, SQL, HTML, CSS

Tools

Git, React, React Native, Expo, Node.js, Flask, Django, Svelte, Figma, Adobe XD, Agile (Scrum)

Leadership and Extracurriculars

Vanderbilt Rowing (Varsity Men's)

August 2018 - Present

Secretary | 2019

- Commit to 20 hours of organized practice a week as well as additional self-motivated workouts outside of practice
- Communicated with 7 customer service representatives to order team uniforms and required gear
- Collaborated with 5 other board members and 4 coaches to ensure smooth daily operations of the 30 athlete team

Projects

Anyone Can Cook!

Python, Flask, JavaScript, React

- A website that uses the Spoonacular API to give a list of recipes based on the ingredients the user already has