

Isaac Beale

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EDUCATION

Oregon State University, Corvallis, Oregon

B.S., Industrial Engineering with focus in Information Systems
Minor in Computer Science

Graduation: June 2020

Arizona State University, Mesa, Arizona (Polytechnic Campus)

M.S., Software Engineering

Expected Graduation: May 2022

WORK EXPERIENCE

Intel, Phoenix, Arizona

Full Stack Software Engineer Student (OTF Yield Systems)

August 2020 - Current

- Integration Tech Request: Facilitated cross-organization communication by being the sole developer of a web based request system which replaced the email communication standard. Made with extensibility in mind, it will be forked and maintained for Aloha OR, Hillsboro OR, and Ocotillo AZ campuses. (**Python, Django, React, Typescript, Postgres**)
- Yield Analysis Request System (YARS): Worked on replacing and increasing the reliability of the existing YARS which was written in .NET framework. Accomplished by rewriting the application using **.NET Core, Blazor, and normalizing the database**.
- Automate tasks, process/organize/visualize large datasets, and create/maintain software to enhance the decision making process of the yield department.

TOOLS AND SKILLS

Proficient

Python

Intermediate

Django, Flask, C#, Java, Blazor,
React, TypeScript

Some Experience

C/C++, MySQL, AWS EC2, Route 53,
PostgreSQL

Skills:

- Software planning, database design, API development, communication, self-starter, team oriented, interpersonal skills.

SIDE PROJECTS

Hoop Finder - <https://github.com/ibeale/hoop-finder> | <https://hoop-finder.web.app/>

- Created in March 2021 using **TypeScript, React, Firebase**
- Basketball hoop finder application for users to identify and search for public basketball hoops near them

Dijkstra's Algorithm visualizer - <https://github.com/ibeale/graph-algo-visualizer>

- Created in February 2021 using **TypeScript, React**
- Allows user to draw mazes for the algorithm to navigate.

Keypers (ended 2020) - <https://github.com/ibeale/KeypersDashboard>

- Created August 2020 using **Python, Flask, SQLite, AWS EC2**
- A website to rent sneaker bots to purchase exclusive sneakers on drop day. Developed entire website as the only developer. 10% ownership of the company. Created a custom API with authentication using flask for users to reset the hardware ID of a rented sneaker bot during their rental period using the requests and selenium python libraries to avoid captcha.

Shaffle (ended 2020) - <https://github.com/ibeale/ShaffleBotGmail> - an automatic raffle entry bot with over 100 users paying \$20 monthly.

- Joined April 2020. Contributions in **Python**.
- Created a module to automatically confirm raffle entries using Google's Gmail API and regex to search through a user's inbox which increased the number of raffle entries a user could feasibly verify dramatically.