

# 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, focus in Cybersecurity

Expected Graduation: May 2022

## WORK EXPERIENCE

### Intel, Phoenix, Arizona

August 2020 - Current

Full Stack Software Engineer Student (OTF Yield Systems)

- 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**)
- ISRequest: Inherited an existing product from Intel in Israel, and repurposed it for Intel in Arizona. Accomplished by learning ASP.NET, created and populated a new database, and creating wholly new features to retrofit the application to OTF's use cases.
  - **ASP.NET, Microsoft SQL Server**
- Awards:
  - Factory Recognition Award for "Superior Systems" for role in development of ISRequest and Integration Tech Request.
  - Selected as one of sixty interns worldwide for the 2021 Intern Showcase to present Integration Tech Request in a presentation named "On the Importance of Small Scale Web Applications"

## TOOLS AND SKILLS

### Proficient

Python

### Intermediate

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

### Some Experience

MySQL, AWS EC2, Heroku, CloudFoundry, PostgreSQL

### Skills:

- Software 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 while avoiding captcha.

### Portfolio Site - <https://github.com/ibeale/portfolio-site> | <https://isaacbeale.com>

- Created July 2021 using **React, Typescript, Next.js, Vercel**
- A website which functions as a resume and portfolio, describing my education, work, and side projects in detail.