Isaac Beale

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EDUCATION

Oregon State University, Corvallis, Oregon   Graduation: June 2020
B.S., Industrial Engineering with focus in Information Systems
Minor in Computer Science

Arizona State University, Mesa, Arizona (Polytechnic Campus)   Expected Graduation: May 2022
M.S., Software Engineering, focus in Cybersecurity

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	Intermediate	Some Experience
Python	Django, Flask, C#, Java, React, TypeScript	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 using the requests and selenium python libraries to avoid captcha.