

Isaac Beale

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EDUCATION

Arizona State University, *M.S., Software Engineering, focus in Cybersecurity* - **GPA: 3.80** - Graduation: May 2022

Oregon State University, *B.S., Industrial Engineering, Minor in Computer Science* - Graduation: June 2020

WORK EXPERIENCE

Full Stack Software Engineer, Intel: May 2022 – Present

- **Virtual Factory Integration Tech Request:** Moving the application from my internship from prototype to actual product. Continued as the sole developer of a web-based request and approval system which replaced the email communication standard. Made with extensibility and customization in mind, this product will support Intel's "Virtual Factory". Locations include: Oregon(2), New Mexico, Arizona, Malaysia, Israel, and Ireland. (**Python, Django, React, Typescript, Postgres, CloudFoundry**)

Full Stack Software Engineer Intern, Intel: August 2020 – May 2022

- **AFO Integration Tech Request:** As the sole developer, I began prototyping an application which facilitates cross-organization communication. This web application manages an approval flow for Intel at the Aloha, OR campus. This prototype if successful will support various other Intel location in the future. (**Python, Django, React, Typescript, Postgres, CloudFoundry**)
- Factory Recognition Award for "Superior Systems" for role in development of ISRequest and AFO 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, Typescript, Django, React

Intermediate: Flask, AWS Lambda, AWS Amplify, CloudFoundry,

Some Experience: MySQL, AWS EC2, AWS API Gateway, Heroku, PostgreSQL, C#, Java, Next JS, Go

Skills: Agile, Software design, API development, Linux, binary analysis, communication, self-starter, team oriented

PROGRAMMING SIDE PROJECTS

ASU Software Engineering Capstone project (LifeMapz)

- Started in February 2022, using **React, AWS Amplify, Lambda, DynamoDB, Cognito, API Gateway, Stripe**,
- A marketplace which facilitates the distribution of digital and physical products for self-help-oriented content creators. One of five developers on the project with contributions across the entire stack.
- Used agile scrum methodology along with Kanban style user story tracking.

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.
- Developing a REST API to support a personal blog written in **Go**.

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

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.