**­­Anthony Shinn**

[anthony.shinn48@gmail.com](mailto:anthony.shinn48@gmail.com) • (517) 366-1661 • [https://ayshinn.github.io](https://ayshinn.github.io/)

Seattle, WA 98102

**EXPERIENCE**

**Amazon** Seattle, WA

*Software Development Engineer on Amazon Security* July 2019 – August 2022

* Designed and created Amazon’s internal central tool for software security management
* Implemented core APIs used on pages serving 1,000+ daily users to manage security data
* Designed and implemented an end-to-end guardrails system to streamline creation of hundreds of discovered security risk types in our security management platform
* Developed a webpage in React to request/manage security exemptions used by 1,000s of engineers
* Executed migration and transformation of over 100,000 active security issue reports to new system
* Met with stakeholders and partner teams to identify business needs and requirements for security experts to use our product
* Wrote and maintained design documents, on-call runbooks and user guides for team

*SDE Intern on Website Request Routing* May 2018 – August 2018

* Developed a tool for tenant owners to route site traffic to different backend servers for fleet migrations
* Implemented controlled rerouting of traffic requests that lowers latency on network traffic rerouting
* Created front-end user interface using JavaScript React for users to use my project

**PROJECTS**

**University of Michigan, College of Engineering**  Ann Arbor, MI

*Yelp Reviews Summary Generator* January 2018 – April 2019

* Developed Python application to scrape and summarize Yelp reviews for a restaurant into one summary review for customers

*Alexa M.D.* September 2018 – December 2018

* Developed a voice-first Alexa skill on the Amazon Fire TV cube to assist surgeons in operating rooms
* Gathered requirements from surgeons at C.S. Mott Hospital to address specific accessibility needs

*Class Web Application* May 2017 – April 2018

* Developed a web application for students to provide live-time feedback for a presenter
* Incorporated Python, JavaScript frameworks for front-end and SQL databases for back-end
* Collected and reported aggregate data in real time between devices in the app

**EDUCATION**

**University of Michigan**, Ann Arbor, MI May 2019

B.S.E in Computer Science **•** 3.3/4.0

* *Coursework:* Machine Learning • Operating Systems • Databases • Web Systems • Computer Security • Accessible Software • Information Retrieval

**DEVELOPER SKILLS**

**Programming Languages:** Java, Typescript/Javascript, React, Redux, C/C++, Python, SQL, HTML/CSS

**Developer Tools:** Unix, Git, Visual Studio Code, IntelliJ, AWS (CDK, DynamoDB, KMS, IAM, EventBridge, SQS, CloudWatch, Lambda)

**OTHER**

**Spoken Languages:** Intermediate proficiency in Korean, Spanish

**Leadership:** Head coach/instructor of collegiate taekwondo clubs for University of Michigan & Washington since 2016. Led competitors to, and competed at, Collegiate Nationals in 2019 at Austin, TX winning bronze