**­­Anthony Shinn**

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16950 Broadview Dr., East Lansing, MI 48823

**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

**EXPERIENCE**

**Amazon** Seattle, WA

*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 new method to do controlled rerouting of traffic requests that lowers latency and extends support for *POST* requests on network traffic rerouting
* Created front-end user interface using JavaScript React for users to use my project
* Collaborated with multiple teams to modify several codebases to support necessary functionality

**University of Michigan Taekwondo Club** Ann Arbor, MI

*Web Master* https://www.umtaekwondo.club/ January 2018 – December 2018

* Manages content updates and design changes for the club website
* Maintains the email accounts for the club with new members and replying to club inquiries

**PROJECTS**

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

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

* Developed a voice-first Alexa skill on the Amazon Fire TV cube for operating surgeons
* Allowed surgeons to easily access and view numerous files such as CAT scans during an operation
* Worked alongside Dr. Marcus Jarboe of C.S. Mott Hospital to address specific accessibility needs

*Class Web Application* [www.classmateapp.me/](http://www.classmateapp.me/) May 2017 – April 2018

* Developed a web application for students in select courses to provide live-time presentation feedback on the effectiveness of the 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

*Log Manager* May 2017

* Developed a program in C++ to quickly search for and analyze large database of log entries
* Utilizes unordered map data structures to quickly perform keyword searches

**LEADERSHIP**

**University of Michigan Taekwondo Club** Ann Arbor, MI

*Instructor/Coach* January 2016 – Present

* Coaches Michigan team for collegiate sparring competitions in the East Coast Taekwondo Conference
* Instructs and leads the Beginner’s Sparring Class every week to teach beginners how to spar

**Stockwell Hall Programming Board** Ann Arbor, MI

*President* September 2016 – April 2017

* Obtained over $7000 of funds through formal fund requests for Stockwell Hall programs
* Led and organized weekly meetings for funding and event ideas

**SKILLS**

**Programming Languages:** C/C++, Python, Java, HTML/CSS, SQL, JavaScript, Android, Matlab

**Developer Tools:** Unix, Git, Visual Studio, IntelliJ

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