Anthony Shinn

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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/   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