JASON MAA

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EDUCATION

University of Maryland, College Park	*Aug. 2018 - May 2021*
Bachelor of Science, Computer Science	GPA: 3.98/4.0
Minor: Statistics	

TECHNICAL SKILLS

Languages	Python, Java, JavaScript, C, SQL, Go, R, OCaml
Technologies	Django, Express, React, AWS, Docker, Unity, Blender

EXPERIENCE

Google Summer of Code - aimacode *Jun. 2019 - Aug. 2019*
Student Developer

· Contributed JavaScript visualizations to a supplementary project for the AIMA textbook teaching concepts in AI online.
· Used React to build interactive demonstrations implementing the Canny edge detection algorithm.

Kuiperbowl *Nov. 2018 - Present*
Personal Project

· Designed web and mobile applications for competing in trivia games averaging 100 new monthly users.
· Used Django and the WebSocket protocol to perform asynchronous communication, connected to a PostgreSQL database, and deployed with Docker Compose on Amazon ECS.

Speed Trig *Dec. 2019 - Present*
Personal Project

· Released a React Native mobile application for Android and iOS to help students practice trigonometry problems with about 100 App Store impressions.
· Worked with connecting Firebase to React Native and managing ads in Google AdMob.

King of the Room *Jan. 2019 - Present*
Personal Project

· Published an Amazon Alexa Skill that allows users to track ownership of a room using AWS Lambda and DynamoDB.

Alien Alien *Jun. 2019 - Present*
Personal Project

· Created an extension for Chrome and Firefox that adds UFOs to the browser using the WebExtension API, JQuery, and Bootstrap.

Summer Research Internship *Jul. 2017 - Aug. 2017*
Research Intern *College Park, MD*

· Developed a VR application and used it to confirm a significant factor related to VR sickness.
· Used Java and OpenGL to create a simulation for HTC Vive to measure disparities in depth perception.