SAM THOMAS

✉ s.sam.thomas.t@gmail.com   ☎ 972 961 6328   in linkedin.com/in/sam-thomas-27a781173   ○ github.com/cachecake404

EXPERIENCE

Software Development Engineer
Microsoft

📅 Aug 2021 – Present   📍 Bellevue WA

- Working on BingNRT (Near Real Time) a log streaming aggregation platform which facilitates core features like monitoring, experimentation and auto suggest.
- Working primarily with Kafka, Spark, C#, Scala and Java.
- Redesigned and optimized Spark Jobs. Reduced the number of spark jobs from 13 to 1. Reduced executor usage by 10,000 saving the company 500k$ a year.
- Reduced the number of false alerts for our experimentation platform by 10%
- Reduced our pipeline's startup time on restart from an average of 5 minutes to 2 minutes.

Software Development Engineer - Intern
Amazon

📅 Jun 2020 – Aug 2020   📍 Seattle WA

- Globalized CODA an internal transportation demand forecasting system by implementing support for Europe.
- Developed integration and unit tests for the existing and newly developed code-base for CODA primarily using JUnit and Mockito.
- Worked primarily with Java and Python and utilized multiple AWS tools such as Lambda, S3, DynamoDB, S3, etc.

Admin Services - Software Engineer - Intern
State Farm

📅 May 2019 – Aug 2019   📍 Bloomington IL

- Developed the tool to initiate promotion requests to be used by the Administrative Services Department of State Farm.
- Worked on an internal web logging tool as a side project.
- Worked with the .NET MVC framework for C# and SQL.

Research Assistant
University of Texas at Arlington

📅 Mar 2021 – May 2021   📍 Arlington TX

- Developing natural disaster simulations for VR using Unity with OpenXR.
- Simulation played by elderly volunteers from whom we collect locomotion and eye-tracking data.
- Data used to analyze how best to guide the elderly population to safety during natural disasters.

EDUCATION / COURSES

Bachelors of Science in Computer Science
The University of Texas at Arlington

📅 Aug 2017 – May 2021   📄 GPA - 3.636

PROJECTS

Lend An Eye

- Developed an application that leverages Google Cloud Platform (GCP) which helps the visually impaired by translating and reading foreign books in languages that they know.
- Utilized GCP to implement image to text, language translation, text to speech, and speech to text functionality to the application.
- Utilized React Native and Expo to develop a minimal user interface designed for visually impaired users .
- This application was handed over to a non-profit organization for the visually impaired who currently utilize it for their students.

Ecommerce Flutter Template

- A quick cross platform Ecommerce template made using Flutter which allows users to order products to be delivered from a store.
- Integrated Google and Facebook sign in for user registration.
- Used Stripe to implement a payment system.
- Used Cloud Firestore and Real Time Database from Firebase to implement the back-end to store the data.
- Leveraged the Google Maps API to implement an address search feature for registration.

AWARDS

- HackUTD Hackathon 2019 - Team leader of the winning team of the Citi Bank Financial Challenge
- HackSMU Hackathon 2019 - Team leader of the winning team of the Best AR/VR Project as well as the Best API Project
- HackUTA Hackathon 2018 - Team leader of the winning team of the Best First Time Project
- Dubai Coding Challenge 2015 - Won second place at a programming competition for high school students from all over Dubai hosted by Heriot-Watt university.

SKILLS

Python , C# , Java, Unity, SQL, AWS, GCP, Azure
💙💙💙💙🤍

Javascript, ASP.NET MVC, React , Flutter, Spark, Kafka
💙💙💙🤍🤍

C++, C, Ruby
💙💙💙🤍🤍