Jack Lunceford

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EDUCATION

The University of Kansas | Lawrence, KS | Fall 2018 - Spring 2022

- GPA: 3.66 / 4.0
- Computer Science Major and Mathematics Minor.
- Member of Honors Program, Self Engineering Leadership Fellows (SELF) Program, and Tennis Club.

RECENT EMPLOYMENT EXPERIENCE

Software Engineer | Microsoft | Hybrid | June 2022-present

- Current backend engineer on Exposure Knowledge Graph (EKG) data platform team in Security.
- Implemented dual publishing of Azure Event Grid notifications for graph node/edge additions, updates, and deletions to both current and target cloud regions to support go-local migration and maintain data consistency for internal consumers of the graph and customers (EKG).
- Optimized EKG monitoring dashboards by creating materialized views in KQL to speed up on-call investigations (query times reduced from minutes to near instantaneous, including for long time ranges).
- Former full-stack engineer on Microsoft Defender Threat Intelligence (MDTI) web app Security team..
- Contributed to implementation of threat actor profiles and specialized CVEs customer-facing UI features in MDTI.
- Built several customer-facing Microsoft Graph APIs for MDTI for retrieving different types of MDTI internet data, including cookies, threat actor profiles, and subdomains.
- C#, .NET, Java, Spring, Javascript, React, MongoDB, Cosmos DB, Kusto (KQL), Azure Kubernetes Service, Bicep, Ev2 (deployments), Azure DevOps.

Software Engineering Intern | RiskIQ | Remote | May-August 2020

- Worked full-stack on PassiveTotal threat intelligence platform web app team.

PROJECTS

Quipdraw | August 2020

- Real-time drawing game web application based on JackBox Games' Quiplash game. Players vote on the best drawings and receive points for their artistic abilities. Implemented with Node.js, Express, React, Firebase, Socket.IO, Javascript. Individual project.

Youtube With Friends | April-May 2020

- Real-time web application that allows users to watch Youtube videos simultaneously with others on different devices via the Youtube IFrame Player API. Through Socket.IO, user actions such as play, pause, and skip are propagated to all users in the group. App also includes real-time messaging system. Implemented with Node.js, Express, Firebase, Socket.IO, Javascript. Group project.

Ticker Predictor | July-August 2019

- Flask local web application that predicts future stock prices based on historical trends using a long short-term memory (LSTM) recurrent neural network built with Keras and Python. App allows user to input any publicly traded stock ticker and receive a text message from Twilio API containing prediction of tomorrow's opening price of that stock after training is performed. Individual project.