Ali Hakimi

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Education

University of Utah *Jan 2019 – Dec 2022*
BS in Computer Science

- **Coursework:** Computer Architecture, Algorithms, Computer Networks, Database Systems, ML, NLP

Experience

Software Engineer *Redmond, WA*
Microsoft *Jan 2023 – Sept 2024*

- Developed and launched an E2E movie and showtimes recommendation feature for Bing Search, extending it to Edge, Xbox, and Windows widgets using **React** and **.Net**. Scaled up the feature to **30 global markets**, generating **over 110K new Daily Average Users (DAU)**.
- Developed and automated a backend pipeline for the answer feature, incorporating an AI model to generate movie summaries and reasons to watch by analyzing IMDB and Rotten Tomatoes reviews, significantly improving the feature's efficiency and accuracy.
- Integrated Bing Entertainment answers into **Copilot** by creating a pipeline to generate grounding data from the answers, enhancing Copilot's accuracy by 87% and information depth by 61% in entertainment-related responses
- Developed new mobile and web user interfaces for Bing's lyrics, movies & showtimes, and music answers using **React** and **.Net**, enhancing user engagement and overall functionality.

Software Engineer Intern *Redmond, WA*
Microsoft *May 2022 – July 2022*

- Developed a feature answer to suggest more movies when the user performs a movie query using **REACT**.
- Utilized Bing's user personalization signals to prioritize genres aligned with user preferences.
- Flighted and shipped the feature after received positive gains in **Answer Click Rate (ACR)** and **Answer Prominence Satisfaction (APSAT)** metrics.

Software Engineer Intern *Remote Redmond, WA*
Microsoft *May 2021 – July 2021*

- Developed and implemented a metric to enhance visibility of Bing knowledge graph pipeline, capturing real-time system performance insights.
- Visualized the metric data onto dashboards, enabling the team to gain instant insights on the pipeline's performance, latency, and error counts.

Software Engineer Intern *remote Redmond, WA*
Microsoft *May 2020 – July 2020*

- Designed a backend pipeline to rank entities and deliver results to frontend in under 150 ms.
- Designed a novel metric to identify user abandonment using SCOPE on petabytes of user log data.

Projects

Solar Simulation *GitHub*

- Developed a Python-based solar system simulation, utilizing real-world data to calculate planetary orbits by applying math, physics, and planetary attributes (mass, velocity, and distance to the sun).
- Tools Used: Python

Technologies

Languages: C#, C++, C, Java, Python, SQL, JavaScript

Technologies: .NET, REACT, Flask, Azure Cloud,