SAMEER HAIDER

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EDUCATION

The University of Texas at Dallas | BS Computer Science | GPA: 3.847   May 2023

Coursework: Operating Systems, UNIX, Intro to Machine Learning, Advanced Algorithms, Database Systems
Distinctions: National Merit Scholar, CV Honors Student

EXPERIENCE

Amazon Alexa AI – *Software Dev Engineer Intern;* Sunnyvale, CA   May 2022 – Aug 2022
- Revised the business intelligence workflow for Alexa's beta natural turn-taking feature, Conversation Mode
- Queried from large data stores with PySpark in EC2 and pre-filtered on feature tags to increase efficiency by 50%
- Wrote 5-page documentation to attain data-compliance approval from security reviewers for data egress to S3
- Processed data with Lambda, generating 12 stats such as avg latency, and piped to QuickSight dashboard
- Used Step Functions and Lambda triggers to attain full automation. Eliminated 30 minutes of daily manual work
- Built a profanity filter which passed AI-generated sentences to a profanity-detection API over a secured VPC

University of North Texas; REU – *Student Researcher;* Denton, Texas   Jun 2021 – Aug 2021
- Conducted sentiment analysis on legal docs. Compared between 7 models and BERT/Bag-of-Words embeddings
- Achieved 78% avg accuracy with the most effective combination. Presented findings to team of researchers
- Proposed methods to link sentiment analysis with metadata to identify bias patterns (Ex: Racial bias in court)

Complex Gaming – *Backend Developer;* Remote   Sep 2020 – Feb 2021
- Processed micro-transactions ($1000+/day) with Stripe and updated user experience (Minecraft) in real-time
- Implemented smart limits on purchases based on factors like account age to minimize impact of fraud

Hilti North America – *Pricing Software Intern;* Plano, Texas   Jun 2019 – Aug 2019
- Configured the SAP pricing system to support 6 new sales regions with 100% price accuracy
- Researched improvements in price communication. Conducted surveys and experiments with field officials

SKILLS

Languages: Java, Python, C, C++, TypeScript, SQL, Swift   **Business:** Word, Excel, PowerPoint, SAP

Cloud: AWS - Lambda, EC2, S3, Redshift, VPC, Step Functions, QuickSight

TECHNICAL PROJECTS

SafeTrails – ACM Team Project   Jan 2021 – May 2021
- Developed image analysis on heat maps with Python to identify low populated routes for COVID-cautious hikers
- Wrote detailed design documentation and won 2nd place at university final presentation

EasyTrace – Independent Project   Sep 2019 – Nov 2019
- Created an IOS app in Swift which prepared user-inputted images for tracing in school art projects
- Chained views through touch events and developed interfaces for 3 different end use cases
- Incorporated design elements throughout the app for a more friendly user experience

LEADERSHIP ACTIVITIES

UTD Computer Science Mentor Center – *Mentor;* Richardson, Texas   Jan 2022 – May 2022
- Mentored 15+ students weekly on lower-division courses involving Java, C++, and Discrete Math
- Hosted review sessions and exam reworks for principal classes

UTD Tennis Club – *Travel Coordinator;* Richardson, TX   Aug 2021 – May 2022
- Organized travel itineraries to out-of-town tournaments for a group of 20+ students
- Tracked expenses and booked hotels within budget. Collaborated with university to allocate more funding
- Led weekly team practices and worked with players who needed personalized training