

# Humayoon AQK

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## Education

<b>The University of Texas at Dallas</b> <i>MS in Computer Science</i>	<i>Aug 2019 – Dec 2021</i>
◦ GPA: 3.91/4.0 ( <b>Core:</b> Design and Analysis of Algorithms, Database Design, Big Data and Analytics)	
<b>National University of Sciences and Technology</b> <i>BS in Electrical Engineering</i>	<i>Sep 2012 – Jun 2016</i>
◦ GPA: 3.92/4.0 ( <b>Core:</b> Electrical Machines, Power System Protection, Engineering Project Management)	
<b>Murray State University</b> <i>Cultural Exchange Semester</i>	<i>Aug 2015 – Dec 2015</i>
◦ GPA: Non-Degree Seeking ( <b>Core:</b> American National Government, Sign Language, Electrical Systems)	

## Experience

<b>Software Development Engineer - II</b> <i>Amazon</i>	<i>Seattle, WA</i> <i>Jul 2024 – Present</i>
◦ Launch videos in Egypt, South Africa, Belgium and Ireland marketplaces on product pages.	
◦ Migrate all services hosted in AWS eu-west-1 region to new regions as part of regional flexibility goal.	
◦ Built conversation history workflow for videos on Rufus (AI-powered conversational shopping assistant).	
◦ Set up load test infrastructure for native AWS service, run tests + find max TPS/latency and scale the fleet which led to successful Black Friday Cyber Monday (BFCM) 2024. 10% increase in video views and sales.	
◦ Run holdout experiment on product pages to find what values videos bring in terms of revenue and discovery via A/B testing and present learning to the leadership (i.e. videos bring \$10+ billion in revenue annually).	
◦ Enroll into A/B testing bar-raiser program which allows me to help Amazonians run efficient experiments.	
◦ Interview, hire, mentor, and develop junior engineers at Amazon Shopping Videos.	
<b>Software Development Engineer - I</b> <i>Amazon</i>	
<i>Seattle, WA</i> <i>Mar 2022 – Jun 2024</i>	
◦ Launch non-dominant videos on product pages allowing non-native customers watch videos in their language.	
◦ Experiment and launch jump links (i.e. tap to jump to topic) feature on video player built via React Native on iOS and Android product pages. \$10 million increase in sales and 5% increase in video engagement.	
◦ Experiment and launch follow button on video players built via Amazon UI on desktop, mobile web and mobile apps on product pages. 4% increase in revenue YoY and 7% increase in creator viewership.	
◦ Experiment and launch influencer videos on several widgets across product pages. 8% rise in video views.	
◦ Perform data migration of 25 million video votes from locally stored Dynamo DB to a centralized Amazon Lightweight Interactive Service which allows any internal team to fetch video votes via a simple API call.	
<b>Software Engineer Intern</b> <i>Text-Em-All</i>	
<i>Frisco, TX</i> <i>Aug 2020 – Jan 2021</i>	
◦ Implement a notification service with AWS lambda texting customers of account activity using NodeJS.	
<b>Software Engineer Intern</b> <i>Copart</i>	
<i>Dallas, TX</i> <i>May 2020 – Aug 2020</i>	
◦ Create a web page for generating vehicle title lien report for lenders using Java Spring Boot and Angular.	

## Technologies

**Languages:** Java, SQL, TypeScript, HTML/CSS

**Frameworks:** Java Spring Boot, Microsoft SQL Server, React Native