

Hyunwoo (Alec) Chae

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EDUCATION

University of Utah
B.S. Computer Science
GPA: 3.5
Aug 2018 - Dec 2022

EXPERIENCE

University of Utah – Engineer Mentor Sep 2022 – Dec 2022
• Mentor for upcoming freshman/sophomore engineering students.
Motorola Solutions – Software Engineer Intern May 2022 – Aug 2022
• Building a Web API for Police Record Service Management Tool (.NET)
• Fixing bugs for the updated features of Police Record Service Management (C# and JavaScript)
Education at Work – Microsoft Tech Support May 2021 – Apr 2022
• Trouble shooting customer's office365(word, excel, powerpoint, outlook, and etc), windows operating system

PROJECTS

Content Recommendation Feb 2022 - Dec 2022
• Content Recommendation from chrome extension and desktop application based off user's relative active web usage using machine learning (natural language processor)
• Using python to perform machine learning and JavaScript to display on our front-end. Using MongoDB to store user's data. API calls through Flask Server to communicate front-end with back-end.
TA Application Sep 2022 - Dec 2022
• Web Software Architect project, made a TA application web page using ASP.NET, launched the web server through AWS.
• Using javascript(bootstrap, highchart, pixi.js) for UI.
Learning management system (LMS) Feb 2021 - May 2021
• Database semester project implementing a tool for tracking educational entities, such as users, courses, etc.
• Using C# and LINQ to run a simple web server that hosts the LMS application and provides several user functions.
FFMPEG Timeline Video Oct 2020 - Dec 2020
• Team project creating an application that collects real-time data and assembling a visual timeline of events.
• Utilizing AWS to automate hourly execution of Docker and Python codes to extract data (web scraping) from 6 web sources and store them in Git.
• Using Docker to also run C++ code to format selected data into frames and compile the MP4 video with FFmpeg libraries