

Youmin Han

Software Engineer



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EXPERIENCE

Jun 2020 SOFTWARE ENGINEER I - DELL TECHNOLOGIES

- Present SEATTLE, WA

- Work on Dell EMC's innovative, enterprise-grade software platform, Streaming Data Platform(SDP) which is built on Flink, Spark, Pravega, and Kubernetes
- Build Pravega Spark Continuous reader to connect Pravega stream with Spark application on SDP
- Design and write multiple engaging instruction posts on SDP Codehub(<https://streamingdataplatform.github.io/code-hub/>) which improves the efficiency of training sessions

Jan 2018 RESEARCH COMPUTING FACILITATION ASSISTANT - UW

- May 2020 MADISON CENTER FOR HIGH THROUGHPUT COMPUTING (CHTC)

MADISON, WI

- Assisted over 200 researchers with computational approach for research problems and answer technical questions
- Analyzed and visualized 408 million hours of usage reports to increase computational system efficiency and accuracy
- Developed and documented reusable code modules that simplify the user management process by saving 40% of time
- Managed the CHTC website, including publishing, updating, and managing content (HTML, CSS)

May 2019 STATISTICAL PROGRAMMING INTERN - ACUMEN LLC

- Sep 2019 BAY AREA, CA

- Developed hierarchy algorithm to identify provider contact information and improve efficiency by 50%
- Managed Medicare FFS claims data, medical beneficiary enrollment database, and CMS provider database
- Created and documented a pipeline tool from the provider database management process

PROJECTS

Fall 2019 COURSE SCHEDULER (REACT.JS)

https://www.youminhan.com/CS639_Scheduler/

A course scheduling application uses modified data from the UW Madison course information database which also has the algorithm to search, filter, and generate all possible schedules.

Summer 2019 MEDICAL RECORD REVIEW PROVIDER CREATION TOOL (SAS, SHELL)

- Utilized USPS API and fuzzy matching to perform the address standardization and validation
- Developed a generalized program for 5 teams to calculate the most optimal medical provider contact information

EDUCATION

UNIVERSITY OF WISCONSIN - MADISON

Computer Sciences, BS

Economics, BS

Business Certificate

September 2016 – May 2020

Overall GPA: 3.88 / 4.00

RELEVANT COURSEWORK

Computer Sciences

Algorithms | Artificial Intelligence | Computer Networks | Computer Graphics | Data Structures | Database Management | GIS Analysis & Big Data | Machine Organization | Operating Systems | User Interfaces

Business & Economics

Accounting | Econometrics | Finance | International Business | Management and Human Resources | Real Estate

SKILLS

Frontend

CSS3 | HTML5 | JavaScript | React Native | React.JS

Backend

C | JAVA | Python | Scala

Database

PostgreSQL

Statistical Programming

R | SAS | STATA

General

Apache Flink | Apache Spark | Docker | Kubernetes

AWARDS

UW-Madison College of Letters & Science Dean's List

Fall 2016, Fall 2017, Spring 2018, Fall 2018,

Fall 2019, Spring 2020

UW-Madison Distinctive Scholastic Achievement

Top 20 percent of the graduating class

Distinction in Computer Sciences Major

3.93 Computer Sciences Major GPA

Golden Brick Awards

Winner of the fifth-year Golden Brick Awards recognizing service to the UW-Madison CS Department.

<https://www.cs.wisc.edu/2020-cs-department-awards/>