THOMAS HUANG

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Experience

Microsoft Corporation
May 2020 - August 2020

Software Engineer Intern - Remote
Collected and analyzed team-specific Windows user feedback using a proprietary programming language.
Conducted research for using state-of-the-art natural language processing model BERT for
feedback text classification and transfer learning with minimal training data.
Used various Microsoft Azure cloud services for the creation of this analytics pipeline, including
Azure Databricks, Azure Machine Learning, and Cosmos DB.

CME Group
May 2019 - August 2019

Software Engineering Intern - Chicago IL
Created a prototype for a redesign of an integral service used by client-facing applications.
Wrote high-performance code to be used in parallel across distributed systems with fault tolerance.
Used logging and log querying to benchmark this prototype in comparison with the existing service.
Created formal builds and deployments in a highly-regulated development environment.
Participated in hackathon for creating a trading algorithm for derivatives traded at the CME.

Caterpillar Inc
March 2018 - May 2019

Data Analytics Intern - Champaign IL / East Peoria IL
Developed web-based analytics apps using Python and Javascript to visualize machine sensor data.
Processed geographical and time-series data using Python libraries h5py, numpy, and geopy.
Wrote reusable Python code to analyze migration of machines and impact on sales.
Created a Tableau budgeting dashboard to help management easily view monthly spending.
Presented projects to Caterpillar Earthmoving Division management, including chief engineer.

University of Illinois
Jan 2018 - May 2018

CS 125 Course Assistant - Champaign IL
Assisted students with completing weekly MP's (machine problems) while simultaneously helping
them to learn the underlying algorithms, data structures, and design choices involved.
Guided students to write clean, efficient, and reusable code according to software design standards.

Education

Bachelor of Science
Aug 2017 - December 2020

University of Illinois at Urbana-Champaign
Major - Computer Science, Focus - Intelligence and Big Data
Minor - Applied Statistics
GPA - 3.87/4.0
Engineering James Scholar Honors Program
College of Engineering Dean's List (x5)

Interests

Chess

Formula 1

Golf

Music

Skills

Languages
C, C++, C#, Java, Javascript, Ruby, Python, SQL

Software
Bash, Git, Maven, Microsoft Azure, Redis, Spark, Tableau