THOMAS HUANG

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Education

Bachelor of Science
Aug 2017 - May 2021
Sophomore

University of Illinois at Urbana-Champaign
Major - Computer Science, GPA - 3.9/4.0, James Scholar, College of Engineering Dean's List (x2)
Current coursework - CS 233 (Computer Architecture), CS 357 (Numerical Methods I)
Past coursework - CS 225 (Data Structures), CS 173 (Discrete Math), CS 126 (Software Design)

High School
Aug 2013 - May 2017
Graduated

Neuqua Valley High School - Naperville IL
GPA - 4.6/4.0 - Summa Cum Laude, ACT - 36
US Presidential Scholar Candidate, National Merit Scholarship Finalist
2017 ILMEA All-State Honors Band, 2016 Golf Team MVP, 2015 Conference Golf Player of the Year

Experience

Caterpillar Inc
March 2018 - Present

Data Analytics Intern - Champaign IL / East Peoria IL
Use Python, SQL, and Tableau to extract, analyze, and visualize data from machines.
Process geographical and time-series data using Python libraries h5py, numpy, and geopy.
Write reusable Python code to analyze migration of machines and impact on sales.
Create a Tableau budgeting dashboard to help management easily view montly spending.
Present projects to Caterpillar Earthmoving Division management, including the 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 simeltaneously helping
them to learn the underlying algorthims, data structures, and design choices involved.
Guided students to write clean, efficient, and reusable code according to software design standards.

Skills

Programming Languages

Skill	Level
C++	██████████
Java	████████░
Python	████████░
C	██████░░
Ruby	█████░░

Technologies

Skill	Level
Git/Github	█████████░
Tableau	██████████
SQL	██████░░
Unix	██████████
Backend Web	██████░░

Interests

Chess

Formula 1

Golf

Music

Open Source

Personal Statement

As a highly-motivated student, I am seeking opportunities to apply my
knowledge of computer science. With a combination of both technical
and personal skills, I believe I would be a valuable addition to any team.