THOMAS HUANG

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github.com/thomashhuang

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 monthly 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 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.

Skills

Programming Languages ○

| C++ | Java | Python | C | Ruby |

Interests

Chess

Formula 1

Golf

Music

Open Source

Technologies ○

Git/Github
Tableau
SQL
Unix
Backend Web

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.