

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 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



Technologies



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.