

# THOMAS HUANG

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## Education

**Bachelor of Science**  
Aug 2017 - May 2021  
Sophomore



### University of Illinois at Urbana-Champaign

Major - Computer Science, Minor - Applied Statistics, GPA - 3.9/4.0  
Engineering James Scholar Honors Program, College of Engineering Dean's List (x3)  
Current coursework - CS 440 (Artificial Intelligence), CS 241 (System Programming)  
Past coursework - CS 357 (Numerical Methods), CS 233 (Computer Architecture), CS 225 (Data Structures)

**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

## Experience

**Caterpillar Inc**  
March 2018 - Present



### Data Analytics Intern - Champaign IL / East Peoria IL

Develop online analytics tools using Python and Javascript to visualize machine sensor data.  
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**



**Technologies**



## 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.