

# THOMAS HUANG

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## Education

### Bachelor of Science

Aug 2017 - May 2021

Junior



### University of Illinois at Urbana-Champaign

Major - Computer Science, Focus - Intelligence and Big Data

Minor - Applied Statistics, GPA - 3.9/4.0

Engineering James Scholar Honors Program, College of Engineering Dean's List (x4)

Current Coursework - CS 498 IoT (Internet of Things), CS 447 (Natural Language Processing),  
CS 374 (Algorithms), STAT 420 (Methods of Applied Statistics)

Past Coursework - CS 440 (Artificial Intelligence), CS 357 (Numerical Methods I)  
CS 241 (System Programming), STAT 400 (Statistical Analysis)

## Experience

### 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.

### 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 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

### Languages



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

### Software



Bash, Git, JQuery, Maven, Redis, Spring, Tableau

## Interests

Chess



Formula 1



Golf



Music



## Personal Statement

As a highly-motivated student, I am seeking an internship leading to full-time opportunities that coincide with my personal areas of interest within the field of Computer Science. With diverse previous work experience and a combination of technical and personal skills, I believe that I would be a valuable addition to any team.