

Thomas J. Yu

Menlo Park, California

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Education

University of Illinois

Urbana, Illinois

B.S. IN COMPUTER SCIENCE | DEANS LIST | JAMES SCHOLAR

2019

- GPA: **3.90**
- Classes: Algorithms and Models of Computation, Systems Programming, Data Structures, Distributed Systems, Artificial Intelligence, Applied Machine Learning, Virtual Reality
- Languages: Java, Python, C, Ruby, C++, Golang

Experience

Facebook

Menlo Park, CA

SOFTWARE ENGINEERING INTERN

Aug 2018 - Nov 2018

- Software Engineering Intern on the Distributed AI team
- Added the hard sigmoid operator for CPU and GPU (CUDA) into Caffe2/Pytorch
- Implemented and tested multi GPU Batch Normalization - integrated this feature into Caffe2/Pytorch
- Developed initial workflow for Blockwise Model Update Filtering (BMUF) sync algorithm for distributed training

Airbnb

San Francisco, CA

SOFTWARE ENGINEERING INTERN

May 2018 - Aug 2018

- Software Engineering Intern on the Trip Platform team
- Developed a system for auto filling photos for custom events on the new travel itinerary
- Wrote backend apis and client code for editing custom events on the new itinerary
- Implemented using Java, Ruby, Kotlin, Amazon S3

Uber

San Francisco, CA

SOFTWARE ENGINEERING INTERN

May 2017 - Aug 2017

- Software Engineering Intern on the Risk Core Platform team
- Developed a framework to help teams on the Risk and Safety teams reduce costs by 82% and compute time by 86% when querying for large amounts of aggregate data
- Built in Java using Apache Spark, Presto, Hive

Leadership

ACM Illinois Chapter

Urbana, Illinois

CHAIR

Mar 2017 - Mar 2018

- Chair for the largest branch of Association for Computing Machinery in the Nation
- In charge of maintaining and growing the ACM brand at UIUC, providing resources for students to learn/grow, and running events with the CS Department.

CS 374 Algorithms and Models of Computation

Urbana, Illinois

COURSE ASSISTANT

Aug 2017 - May 2018

- Assistant during discussion sections, answering student questions and teaching various topics. Also in charge of grading homework

CS 241 Systems Programming

Urbana, Illinois

COURSE ASSISTANT

Jan 2018 - May 2018

- Helped write infrastructure behind the course including tests and fixes for several assignments. Also held office hours and helped out during discussion sections

Projects

Rankr

Sep 2018 - Present

SOLO PROJECT

- Application that analyzes how well ESPN Fantasy Football experts predict player performance