Thomas J. **Yu**

Computer Science Student

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Education

University of Illinois — *Urbana, Illinois*

B.S. in Computer Science | Deans List | James Scholar — *2019*

- GPA: **3.85**
- Classes: Algorithms and Models of Computation, Discrete Structures, Data Structures, Computer Architecture, Artificial Intelligence, Applied Machine Learning
- Languages: Java, Python, Javascript, C++, R, Golang
- Technologies: Apache Spark, Flask, Express, Django, Numpy

Experience

Uber — *San Francisco, CA*

Software Engineering Intern — *May 2017 - Aug. 2017*

- Software Engineering Intern on the Risk Core Platform team
- Developed a tool 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

Sendbloom — *San Francisco, CA*

Software Engineering Intern — *May. 2016 - Aug. 2016*

- Implemented a click to call feature for the Sendbloom chrome extension and web app. Click to call allows sales reps to reach prospects with a click of a button, directly connecting their phone to the prospect's phone.
- Wrote a python script used for Business Operations that keeps track of all user data (Logged onto Intercom.io)

Leadership

ACM Illinois Chapter — *Urbana, Illinois*

Chair — *Mar 2017 - PRESENT*

- 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

CS374 Algorithms — *Urbana, Illinois*

Course Assistant — *Aug 2017 - Present*

- Assistant during discussion sections, answering student questions. Also in charge of grading homeworks

HackIllinois — *Urbana, Illinois*

API Developer — *Oct 2015 - February 2017*

- Helped write the open source backend that powered HackIllinois 2017. Implemented applicant decision logic, password reset function, ecosystem routes, project routes, and helped out on the Android and iOS apps

Projects

Fantasy Football Projector — *Oct 2015 - Jun 2016*

Solo Project

- Python app that helps base how well fantasy football players would do in a given week based on Twitter sentiment. Built using Flask, AlchemyAPI(Sentiment analysis), and Twitter API
- Wrote a custom scaling function that would help adjust the accuracy of the result

Voyager — *June 2016*

Hackathon Project

- Helped create an implementation of 'Neural Style' which overlays a painting's style on top of any image provided at an a16z Hackathon
- Wrote an iOS client app that captures an image from the user and sends it to our back-end for processing.