

# Vincent H. Tran

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## Academics

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### **Masters of Science in Computer Science**

Expected May 2022

*Illinois Institute of Technology*

Courses Taken: Computer Vision, Data Mining, and Data Privacy and Security

### **Bachelor of Science in Computer Science (GPA 3.8/4.0)**

Expected May 2022

*Illinois Institute of Technology*

Courses Taken: Mobile App Development, Data Structures, Algorithms, and Operating Systems

## Work Experience

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### **Data Structures Teaching Assistant**

January 2019 - Present

*Illinois Institute of Technology - Chicago, IL*

- Helped students understand the concepts of Data Structures such as implementing different types of data structures, analyzing runtime of each data structure, and applying data structures to other projects

### **Computer Organization Teaching Assistant**

August 2018 - December 2018

*Illinois Institute of Technology - Chicago, IL*

- Helped students understand the concepts of Computer Organization such as C programming, assembly programming, logic gates, and binary operations
- Helped students design their own assembly code emulator that interprets and executes assembly code

## Projects

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### **XV6 Operating System**

- Implemented and analyzed OS shells, system calls, memory management systems, and process scheduling protocols
- Implemented in C

### **Cache Simulator**

- Developed a cache simulator to analyze cache hits and misses to understand the effects of cache-friendly programming
- Developed in C

### **Computer Vision Image Processing App**

- Developed an application that highlights horizontal edges, vertical edges, and gradient vectors of an image
- Developed in Python

### **Student Connections Mobile App**

- Worked with a team of 5 members to design a mobile application that connects IIT's staff, faculty, and students
- Allowed students to find friends that share similar interests and majors or ask for tutoring from former students, TA, and professors
- Developed in Java