

Sydney Tran

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EDUCATION

Cornell University – *College of Engineering*

Ithaca, NY

Candidate for Bachelor of Science in Computer Science

Exp. 2025

- GPA: 3.758, Relevant Coursework: Object-Oriented Design and Data Structures (Honors), Discrete Structures

Andover High School

Andover, MA

High School Diploma

Sep. 2017 – Jun. 2021

- Weighted GPA: 4.567, High Honors

SKILLS

- Java, C#, .NET, React, JavaScript, TypeScript, C, Python, Bootstrap, HTML/CSS, Git, Agile

CERTIFICATIONS

- Microsoft Azure Fundamentals (Microsoft Certified: AZ-900 Exam)

Aug. 2022

EXPERIENCE

MILL5

Boston, MA

Software Engineer Intern

May. 2022 – Aug. 2022

- Collaborated with 8 developers on MILL5's product development team to create FinOwl, an application that helps financiers and stock traders retrieve quality market information through chat bots in platforms such as Microsoft Teams
- Built frontend and backend of the internal administration site for managing FinOwl users and products
- Developed a REST API with .NET 6 using n-tier architecture with unit and integration tests
- Implemented SPA using React with TypeScript, RTK Query from Redux Toolkit, and a Metronic Bootstrap template

Cornell Design & Tech Initiative Project Team

Ithaca, NY

Software Developer

Nov. 2021 – Present

- Collaborated with Cornell students to build products serving the Cornell and greater Ithaca Community
- Designed and implemented the Design@Cornell website with a sub-team of 8 students
- Developed a centralized repository of resources and information for the design community at Cornell
- Implemented the student orgs, design community, articles, and faculty pages using React with TypeScript

Harvard DASlab

Boston, MA

High School Intern

May. 2020 – Sep. 2020

- Further developed the web demo for the Cosine (Cloud-Cost Optimized NoSQL Storage Engine) research paper
- Collaborated with professor Stratos Idreos and his team from the Data Systems Laboratory
- Implemented the UI and algorithms for uploading uniform or skewed data to the demo using JavaScript, HTML, and CSS
- Debugged and resolved issues involving corner cases for designing the storage engine configurations

PROJECTS

Raspberry Pi Cornell Bus Tracker

Jul. 2022 – Aug. 2022

- Developed Cornell University bus tracker using Raspberry Pi and LED light strips
- Displayed real-time departure info through LED lights' colors, patterns, and flashing
- Implemented using Python and performed web scraping of TCAT website to collect real-time route data

Sunset Calculator

Feb. 2021 – Jun. 2021

- Developed a website that calculates the quality of upcoming sunsets and sunrises in an inputted zip code
- Collected and presented location data and sunrise/sunset data from APIs
- Implemented with a partner using JavaScript, HTML, and CSS

LEADERSHIP

Andover High School Girls Varsity Ski Team

Andover, MA

Captain

Sep. 2017 – Jun. 2021

- Competed against other high schools in the North Shore Ski League in giant slalom and slalom ski races
- Prepared practice gates, demonstrated drills for the team, and organized/budgeted girls team events
- Awarded Most Improved for 2019 season and Most Valuable Player for 2020 season