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: 3.821/4.0, Relevant Coursework: Object-Oriented Design and Data Structures (Honors), Discrete Structures, Data Structures and Functional Programming

Andover High School   **Andover, MA**
High School Diploma   *Sep. 2017 – Jun. 2021*
- Weighted GPA: 4.567/5.0, 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, Faculty, and Articles desktop pages and the Area of Study and Events mobile 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