Tiffany Chen

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EDUCATION

Massachusetts Institute of Technology   **Cambridge, MA**
Candidate for Bachelors of Science in Computer Science and Humanities and Science, 5.0 / 5.0.   *Jun 2018 – May 2022*
- Current/Completed Coursework: Software Studio, Design and Analysis of Algorithms, Linear Algebra / Elements of Software Construction, Probability and Random Variables, Introduction to EECS via Interconnected Embedded Systems, Introduction to Algorithms, Artificial Intelligence, Fundamentals of Programming, Mathematics for Computer Science

WORK EXPERIENCE

Salesforce   **San Francisco, CA (Remote)**
Software Engineering Intern   *Jun 2020 – Present*
- Engineered a browser plugin to automatically generate Javascript Object Notation code to create new page objects for web components, allowing for easier automatic testing for user interfaces.

MIT Media Lab   **Cambridge, MA**
Undergraduate Research Assistant   *Feb 2020 – May 2020*
- Built an API for data transfer between a front-end interface visualizing data on a laser-created globe and large databases such as an argo dataset and a GEBCO elevation dataset.

Ultimate Software   **Weston, FL**
Software Engineering Intern   *May 2019 – Aug 2019*
- Developed new navigation bars and page templates for usage throughout the newest iteration of Ultipro, Ultimate Software's human-capital management solution.
- Implemented new web components such as tooltip and banner from scratch for the Ignite Design System.
- Redesigned the documentation site for the design system by adding accessibility adhering to WCAG 2.1 standards and snapshot testing with Jest to maintain visual accuracy.

Jane Street   **New York, NY**
INSIGHT Intern   *Jan 2019*
- Constructed an automated bot to trade in a simulated stock market, ranking 4th out of 25 different bots in profit.

Morgan Stanley   **New York, NY**
Wealth Management Technology Intern   *Jul 2018 – Aug 2018*
- Added functionalities to Trak and Seekr, applications that track websites in different testing environments.
- Provided new webpage templates for technology teams in Wealth Management for the directory website.

American Museum of Natural History   **New York, NY**
Intern   *Oct 2015 – Oct 2017*
- Built interactive exhibits with the Exhibitions Department for the Senses show highlighting how different animals see.
- Manipulated big data in Python and SQL to find correlations between navel bacteria diversity and environmental factors.

LEADERSHIP AND INVOLVEMENT

MIT Department of Electrical Engineering and Computer Science   **Cambridge, MA**
Teaching Assistant (Aug 2020 – Present), Lab Assistant (Feb 2019 – Dec 2019)
- Led a recitation twice a week teaching 20 students discrete mathematics for Mathematics for Computer Science (6.042).
- Dedicated 100+ hours to help students understand and debug Python labs for Fundamentals of Programming (6.009).

THINK Committee – TechX   **Cambridge, MA**
Director (Apr 2020 – Present), DevOps Chair (Sep 2018 – Mar 2020)
- Mentored several high school students in their research and entrepreneurial pursuits such as a low-cost electric wheelchair.
- Designed the new homepage for THINK, a web application allowing college students to show off their extracurriculars to incoming freshmen, and an interface to help committee members view and collect applications.
- Adapted the THINK program and calendar to better suit high school students and committee members during COVID-19.

Pi Rho Chi   **Cambridge, MA**
Vice President of Academic Affairs (Jan 2020 – Present), Social Chair (Jan 2019 – Dec 2019)
- Managed four student coordinators to organize academic and social activities, adding several new events such as a majors panel and weekly homework time to the sisterhood programming.
- Organized small and large social events with Pi Rho Chi and other campus groups through extensive planning and communication, doubling the amount of events hosted during the semester.

Middle East Entrepreneurs of Tomorrow   **Jerusalem**
Teaching Assistant   *Jan 2020*
- Helped Israeli and Palestinian high schoolers create large web projects using Flask and Javascript for social causes such as body image and climate change.

SKILLS

Programming Languages: Java, Python, C++, Javascript, HTML/CSS, SQL
Web Development: Angular, Flask, React/React Native, Bootstrap, Node.js, Jest, Typescript
Tools and Frameworks: Git, MongoDB