

ANDREW L. CHEN

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EDUCATION

Massachusetts Institute of Technology, Cambridge, MA Expected Graduation: 2020

Candidate for B.S. in Computer Science and Engineering – GPA 4.94/5.00

Select Coursework:

6.828 Operating Systems	6.033 Computer Systems	6.172 Performance Engineering	6.046 Algorithms
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6.031 Software Construction	6.858 System Security	6.036 Machine Learning	
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Mission San Jose High School, Valedictorian, ACT: 35/36

WORK EXPERIENCE

Plaid, Software Engineering Intern Jun 2019 – Aug 2019

- Implemented credit card support for new Liabilities product from end-to-end, providing real time data
- Designed and built filtering abstraction to allow customers to choose desired Liabilities data
- Company-wide hackathon grand prize winner: Helped implement and launch beta for long-requested feature

Addepar, Software Engineering Intern Jun 2018 – Aug 2018

- Designed and built a distributed caching data service for Addepar's large database tables (>100 GB)
- Improved performance by 4x compared to Addepar's existing non-distributed data service

NASDAQ, Global Technology Intern & Independent Contractor Jun 2017 – Dec 2017

- Created a blockchain-based audit system for the traceability and integrity of generic workflows
- Selected by CTO as a focus project for eventual company-wide rollout

University of California, Santa Cruz, Computer Vision Research Assistant Jun 2014 – Dec 2015

- Developed a novel technique for imaging live tissues using adaptive optics and fast image processing
- Integrated Fourier signal processing to increase image resolution by 2x and imaging depth by 1.5x

SELECT PROJECTS

Optimize My Route Jul 2018 – Jun 2019

- Multistep route optimizer for errands, carpooling, vacation, and general travel planning
- Google Maps integration for places search, different modes of travel, and step-by-step directions

Facebook News Eradicator, Open Source Contribution Aug 2018

- Added a high-demand feature to the third-party browser extension with 175K users

EXTRACURRICULAR ACTIVITIES

Zeta Beta Tau – Xi Chapter, Vice President Sep 2016 – Present

- Supervised internal affairs; recruited and directed petty officers
- Coordinated and ran Workweek, two weeks of house improvement work for 50 members

TechX, Developer Operations and xFair Committees Sep 2017 – May 2018; Sep 2019 – Present

- Contributed toward behind-the-scenes programming projects to help TechX operate
- Helped plan, run, and seek sponsorships for xFair, MIT's largest career fair and tech expo

MIT WebLab (6.148), Sponsor Chair Jul 2018 – May 2019

- Contributed toward teaching a web development class and organizing a competition over the winter
- Sought out and maintained relationships with corporate sponsors

SKILLS

Languages: Python, Go, Java, Javascript, C, SQL, HTML/CSS, MATLAB, CUDA

Frameworks/Other: Git, Node.js, Redux, React

AWARDS

- USA Computing Olympiad, Gold Division (2016)
- Siemens Competition in Math, Science & Technology, National 4th Place (2015)