

Thomas Chan

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EDUCATION

TUFTS UNIVERSITY

BS IN COMPUTER SCIENCE

Expected May 2020 | Medford, MA

College of Arts and Sciences

Dean's List

Cumulative GPA: 3.81 / 4.0

Major GPA: 3.86 / 4.0

LINKS

GitHub:// [thomaslchan](#)

LinkedIn:// [thomaslchan](#)

COURSEWORK

Algorithms

Computational Biology

Computer Systems Security

Theory of Computation

Database Systems

Data Structures

Discrete Mathematics

Machine Structure and Assembly

Language

Programming Languages

CONFERENCES

Developing Leaders Conference,

Tufts University, 2017

Out for Undergrad Tech Conference,

O4U, 2017

Out for Undergrad Tech Conference,

O4U, 2018

SKILLS

PROGRAMMING

Java • C • C++ • Javascript

• HTML • CSS • Python • PostgreSQL

MEDIA

Final Cut Pro • Adobe Photoshop •

Adobe Lightroom • Adobe Illustrator

LANGUAGE

Native English • Conversational Spanish

EXPERIENCE

TUFTS COMPUTER SCIENCE DEPARTMENT | TEACHING ASSISTANT

September 2018 - Present | Medford, MA

- Review concepts for COMP170: Theory of Computation (Fall 2019)
- Aid students in weekly assignment, recitations, and labs
- Grade homework assignments and exam questions
- Was TA for COMP40 (Fall 2018) and COMP15 (Spring 2019)

HARVARD MEDICAL SCHOOL | RESEARCH INTERN

June 2019 - August 2019 | Boston, MA

- Developed image pipeline for visualizing spatial single cell experiment data
- Scripted single-cell data processing for visualization tool
- Used Python, Bash scripting, and AWS S3 command line tools
- Attended weekly lectures hosted by Harvard Medical School

BOYCE THOMPSON INSTITUTE | RESEARCH INTERN

June 2018 - August 2018 | Ithaca, NY

- Developed a marker-pedigree hybrid visualization tool for plant breeding
- Used D3.js, HTML, Javascript, Perl, and PostgreSQL
- Assisted peers through bioinformatics workshop
- Presented research to the Institute and Cornell staff

ACTIVITIES

COMPUTER SCIENCE EXCHANGE | PRESIDENT

September 2017 - Present | Medford, MA

- Organized university's annual hackathon, Polyhack, for 400 students
- Wrote and defended budget of \$9,320 to student senate and allocated \$23,000 of sponsor money
- Managed general board members and oversaw meetings and planning

OSTEM | SOCIAL CHAIR

September 2017 - Present | Medford, MA

- Participated in 10-week online leadership program
- Coordinated discussion events and attended biweekly meetings
- Represented university chapter at 2019 conference in Detroit, MI

JUMBOCODE | TEAM MEMBER

September 2017 - May 2018 | Medford, MA

- Coded application's front end in React.js for campus engineering outreach club
- Conducted unit tests for deployment with Travis CI

TUFTS DAILY | WEB EDITOR

September 2017 - May 2018 | Medford, MA

- Translated web design for publication's website into WordPress theme
- Used HTML and CSS