

# 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

Python • C++ • C • R

• HTML • CSS • 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