Thomas Chan

Curriculum Vitae

(+1) 617-838-9803
thomas.chan@tufts.edu

Areas of Interest

I am interested computational biology, with a focus on genomics. I have previous experience with visualization research.

Education

2016–2020 **Tufts University**, *School of Arts and Science, Medford, MA 02155.*

- Bachelor of Science in Biology and Computer Science, 2020

Scholastic and Curricular Achievements

2018 Coordinated the annual hackathon **Polyhack**

- Raised over $20,000 in funds
- More than 340 students in attendance

2018 Selected to attend **oSTEM Leadership Conference**, all expenses paid

- Completed 14-week training program

2017-2019 Chosen to attend **Out 4 Undergrad Tech Conference**, all expenses paid

- Selected 3 years in a row

Professional Experience

June 2019 – August 2019 ***Research Intern*** | *Harvard Medical School;* Boston, MA

- Worked on image pipeline for visualizing microscopy data (Gehlenborg Lab)
- Used Python, Bash scripting, and AWS S3 command line tools

June 2018 – August 2018 ***Research Intern*** | *Boyce Thompson Institute;* Ithaca, NY

- Developed a marker-pedigree visualization tool for CassavaBase (Mueller Lab)
- Used D3.js, HTML, Javscript, Perl, and PostgreSQL
- Assisted peers through bioinformatics workshop

Teaching Experience

September 2018-Present ***Teaching Assistant***| *Tufts University;* 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)

Technical Skills

Programming	Python, C++, C, Java, PostrgreSQL, HTML, CSS, BASH
Software	Atom, MS Word, MS Powerpoint, MS Excel
Editing	Adobe Illustrator, Adobe Photoshop, Adobe Lightroom, Final Cut Pro X

Coursework

Core Courses	Algorithms, Biostatistics, Calculus II, Computational Biology, Computer Systems Security, Theory of Computation, Database Systems, Data Structures, Discrete Mathematics, General Genetics, Machine Structure and Assembly Language, Programming Languages
Lab Courses	Cells and Organisms, Organisms and Populations, Chemical Fundamentals, Chemical Principles, Evolutionary Biology

Languages

English	Fluent
Spanish	Intermediate