Lawrence Chan

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Education

Tufts University, Medford, MA   May 2020
BS, Computer Science and Community Health, GPA: 3.70 / 4.00, Magna Cum Laude
Relevant Courses: Software Engineering, Machine Learning, Biostatistics, Epidemiology
Awards: Class of 1911 Scholarship Award (university), David Krumme Award (department)
Competitions:
- **Tufts Polyhack 2019**, *Tufts University*, Medford, MA – winning team
  - meal swipe sharing application to fight student hunger
- **Tufts Polyhack 2018**, *Tufts University*, Medford, MA – winning team
  - application to make, share, and find playlists based on creation location

Experience

Software Engineer, *TriNetX, Inc*., Cambridge, MA   Jun '20 - Present
- Full stack software engineer on health analytics scrum team (Java / React)

Research Assistant, *Tufts University*, Medford, MA   Apr '20 - May '20
- Conducting sentiment analysis on Twitter data to understand community views on immigrants. Research under Dr. Felipe Dias, Department of Sociology

Project Manager, *JumboCode*, Medford, MA   Aug '19 - May '20
- Led 10 student developers and designers to build a form management application for the South Florida Jewish Academy, a K-12 school for students with special needs
- Taught student developers engineering principles and the REST framework

Software Engineering Intern/Co-op, *TriNetX, Inc*., Cambridge, MA   Jan '19 - Sep '19
- Full stack developer (Java / JavaScript with React) and member of analytics agile team, working on data visualizations to show researchers and epidemiologists insights into regional and socioeconomic factors on real-world populations
- Working daily with patient privacy, permission logic, user experiences, and testing
- Participating in standup, grooming sessions, sprint planning and sprint demos

Google Student Innovator, *VACO SF*, San Francisco, CA   Jul '18 - Jul '19
- Represented Google Cloud Platform and introduced its features to the university

Adoption and Success Intern, *Aledade, Inc*., Bethesda, MD   Apr '18 - Aug '18
- Organized a competition company-wide to push health care providers enrolled our ACOs to improve KPIs and improve patient wellness
- Created training curriculums and guides for onboarding staff in data analytics
- Combined SQL and Tableau to generate business intelligence visualizations

Teaching Fellow, *Tufts University*, Medford, MA   Jan '18 - May '20
- TF for Data Structures and Introduction to Computer Science, taught in C++
- Writes testing programs with Python and Shell for homework grading
- Plans and writes assignments for students enrolled in the course
- Administers office hours and labs, explaining concepts and assisting students

Resident Assistant, *Tufts University*, Medford, MA   Aug '17 - Dec '18
President, *The Sharewood Project*, Malden, MA   Jan '17 - Jan '19
- Oversaw undergraduate operation of free, student-run clinic for low-income individuals in a local neighborhood, serving hundreds of patients annually with over 90 practitioners, medical school students, and volunteers

Skills

Proficient in: C++, Java, Python, JavaScript (with React), Mongo, Shell, Assembly
Familiar with: SQL, C, REST, Jenkins CLI, STATA, Tableau, LATEX, Scheme, ML
Other: Certified EMT, Conversational Cantonese, Violin, Erhu