

Albert Tseng

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EDUCATION

Tufts University (Medford, MA)

Expected May 2021

Bachelor of Science in Computer Science

GPA: 3.4, Dean's List

Minor: Entrepreneurial Leadership Studies

Relevant Courses: Data Structures (C++), Web Programming, Machine Structural Programming (C), Intro to Cognitive and Brain Science, Leadership and Business Planning, Engineering Leadership, Process of Product Design

PROJECTS

Tome (<https://tome-project.herokuapp.com/>)

- Developed a questionnaire to choose a list of books to read using Google Books API

Arith

- Designed algorithm and tested system design for PPM image using C
- Transformed packed and unpacked binary small values into larger integer while working with binary data

Mapping Boston MBTA Red Line

- Designed a web server that mapped Boston's MBTA with real-time scheduling of upcoming trains using the Google Maps API and Javascript

Textbook Exchange Analysis

- Data mined and calculated regression analysis for most efficient business hours using Python's Pandas/ Numpy/Plotly packages

Virtual Museum

- Created a virtual museum of ancient Buddhist temples with detailed description using CSS and HTML

TECHNICAL SKILLS

- C++, C, HTML, CSS, Linux, Git, Excel, Assembly, Pandas, Python, JavaScript, MongoDB, Node.js

EXPERIENCE

Jumbo Code (Medford, MA) | *Developer*, January 2019 - Present

- Recreating the Textbook Exchange Network platform to allow for more efficient use using Django and PostgreSQL

Human-Robot Interaction (Medford, MA) | *CS Research Assistant*, January 2019 - Present

- Developing a bilingual computation model to explain the rarity of code-switching mistakes in bilingual speech production using python

Textbook Exchange Network (Medford, MA) | *Assistant Director of Technology*, April 2018 - Present

- Reduced operation costs by 15% for non-profit saving students over \$200,000 in textbooks

Waterworks Aquatics (San Jose, CA) | *Swim Instructor*, May 2018 - August 2018

- Facilitated more than 50 private and semi-private swimming lessons weekly resulting to a student retention rate of over 80% in swim lessons

Kaiser Permanente (San Jose, CA) | *Shift Leader/Receptionist*, January 2014 - December 2016

ACTIVITIES

Big Brothers and Big Sisters of Massachusetts | *Mentor*, May 2018 - Present

- Recognized by Mayor of Medford for exceptional service to the students in the community

Tufts Varsity Swimming and Diving | September 2017 - August 2018

- Trained 15-20 hours a week for NESCAC Conference Championship Meet

Leland High School Varsity Swimming and Diving, Team Captain, MVP, 2-time All-American

- Achieved Gordon Leland Award (Best single sport athlete)