Steven Tang

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OBJECTIVE

Seeking summer internship in data science, statistics, and machine learning.

PROGRAMMING LANGUAGES

- Statistical: R, Python, PostgreSQL
- Java, C++, JavaScript, HTML/CSS, C, SML, Matlab

EDUCATION

Carnegie Mellon University, Pittsburgh, PA   Expected: May 2024
Bachelor of Science in Statistics and Machine Learning

- Relevant Coursework: Natural Language Processing; Principles of Imperative Computation; Introduction to Statistical Research Methodologies; Statistical Computing; Statistical Graphics and Visualization; Introduction to Statistical Inference; Methods of Statistics and Data Science; Principles of Functional Programming
- Minors: Computer Science; Neural Computation
- Honors and Awards: Dean's List, with Honors, Spring 2021

Los Altos High School, Los Altos, CA   Graduation: June 2020

- Dual Enrollment at Foothill College, 2018-2020
  Coursework: Intermediate Software Design in Java; Advanced Data Structures and Algorithms in Java; Object-Oriented Methodologies in C++; Intermediate Software Design in C++; JavaScript for Programmer
- Dual Enrollment at De Anza College, 2018-2019
  Coursework: Data Abstraction and Structures

RESEARCH EXPERIENCE

Introduction to Statistical Research Methodology, CMU   Fall 2021

- A course dedicated to sophomores to learn the fundamentals of statistical research (process of data analysis, regression, supervised/unsupervised machine learning, etc.) in the R statistical programming language
- Completed team project to learn a classifier for real data from NASA's Transiting Exoplanet Satellite Survey (TESS), culminating in a report presented at the Statistics & Data Science Department's research showcase
- Submitted to the USCLAP competition, and to present at the 2022 Meeting of the Minds conference

Summer Undergraduate Research Apprenticeship (SURA), CMU   Summer 2021

- Visualized and analyzed time-series data in R about how political/economic factors influenced a country's ability to deescalate human rights violations due to economic sanctions
- Wrote research proposals from initial client questions; wrote final report and presented research to supervisors at Statistics & Data Science Department and external clients (Institute of Politics and Strategy at CMU)

WORK EXPERIENCE

Peer Tutor, Student Academic Success Center, **Carnegie Mellon University**, Pittsburgh, PA   2/2022-present

- Worked with peers on concepts related to their 15-122 (Principles of Imperative Computation) coursework

Software Intern, **Innovusion, Inc.**, Los Altos, CA   6/2019-9/2019

- Developed statistical testing algorithms and scripts in Matlab/Python to evaluate LIDAR performance

Math Instructor, **Mathnasium,** Menlo Park, CA   5/2018-3/2020

- Tutored mathematics at an after-school math learning center for pre-K to 12th grade students

AWARDS

- 1st Place Overall, KISS Institute of Practical Robotics (KIPR) Botball Competition, GCER, Summer 2019