Daniel Tang

dt19@rice.edu • (503) 855-7148 • GitHub: https://github.com/dtang5 • Website: https://dtang5.github.io

Education

RICE UNIVERSITY   Houston, TX
B.S. Candidate in Computer Science   May 2021
- Relevant Coursework: Computational Thinking, Statistics for Data Science, Matrix Analysis, Introduction to Engineering Computation, Multivariable Calculus, Linear Algebra & Differential Equations
- Leadership: TA for BioC 201. Campanile Orchestra (Concertmaster)

WEST LINN HIGH SCHOOL   West Linn, OR
Graduated Valedictorian (GPA: 4.45/4.0).   June 2017
- Awards: 2-time International Science and Engineering Fair Finalist, OSAA State Violin Solo Competition (2nd)
- Leadership: Orchestra (Concertmaster). Chamber Music Club (President). Chess Club (President)

Work Experience

OREGON HEALTH AND SCIENCE UNIVERSITY   Portland, OR
Research/Bioinformatics Intern   May 2016 – May 2017, May 2018 – August 2018
- Automated the detection of indels in barcoded mice DNA, minimizing background rate of detection through the use of Python, modular operations, and random variable quantification.
- Tested a safer and more effective viral gene therapy for most liver-related diseases and cancers by designing a new method to select for genetically modified cells while the patient is alive and creating vectors through molecular cloning. The results from my experiments redirected the lab's research focus and my CRISPR construct is now widely used among its members.
- Recognized by primary researchers for contributions and was recommended to continue summer project throughout the school year of 2016-17 and for the summer of 2018.

PRIVATE TUTOR/VARSITY TUTORS   Portland, OR/Houston, TX
Independent Contractor   Jun 2017 – Mar 2018
- Tutored in AP Computer Science A, Algebra I/II, Trigonometry, Pre-Calculus, AP Calculus AB/BC, AP Biology, Chemistry, Economics, SAT/PSAT, and violin technique to over 40 students.

CHIPOTLE   Portland, OR
Restaurant Crew   Jun 2017 – Aug 2017
- Interacted with patrons and provided excellent customer service in a high volume, fast paced environment.
- Prepared essential items such as guacamole, steak, and chicken.

Leadership and Activities

HACKRICE   Houston, TX
JP Morgan Chase Best Hack for Financial Literacy Winner   Sept 2018
- Created an interactive web application that displays statistics for retirement (401k), mortgages, and credit card payments upon user input. Introduces an educational and intuitive tool for teaching financial literacy to the young adult population.
- Created using Python, Flask, HTML/CSS, JavaScript, and Bootstrap.

RICE UNIVERSITY CAMPANILE ORCHESTRA   Houston, TX
Concertmaster   Sept 2017 – May 2018
- Won the position through auditioning at the Shepherd School of Music at Rice University

RICE UNIVERSITY HOST FOR PROSPECTIVE STUDENTS   Houston, TX
Host   April 2018
- Represented the Rice Admissions Office as a go-to person for questions from the prospective students hosted.
- Tour guide and first point of reference for admitted students

Skills and Honors

Technical: Python, C, Java, R, MATLAB, InDesign, HTML/CSS, Flask, Bootstrap, Microsoft Office Suite, Marketing, Ideation, Genome Engineering, Molecular Cloning, Tissue Staining
Events Participation at Rice: 3-Day Startup, HackRice
Honors: Intel International Science and Engineering Fair 2-Time Finalist, Valedictorian, National AP Scholar, 3-Day Startup Participant, Concertmaster of Portland Youth Philharmonic
Interests: Investing; Poker; Chess; Chamber Music; Running; Rowing