

Daniel Tang

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Education

RICE UNIVERSITY

Houston, TX

B.S. Candidate in Computer Science (GPA: 3.85)

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 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 Geometry, 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

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 CREW TEAM

Houston, TX

Athlete

Sept 2017 – May 2018

- Attended early morning practices and competed at numerous regattas

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, 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