

ROHAN AHLUWALIA

(503) 970-1240 • rohan.ahluwalia@yale.edu

EDUCATION

Yale University, B.S./M.S. in Computer Science

New Haven, CT

Coursework includes: Data Structure and Programming Techniques (CPSC 223), Discrete Mathematics (MATH 244), Introduction to Probability (STAT 241)

- Conducting computational biology research in Gerstein Lab, Launch Club, Yale Computer Society, Yale Entrepreneurial Society Internship Team.

Westview High School

Portland, OR

Class of 2020, SAT: 1570/1600, GPA: 4.47/4.0, Honors: National AP Scholar, Intel International Science & Engineering Fair Grand Award Winner, Regeneron Science Talent Search Finalist 2020, Activities: Baseball, Science Fair Club, HOSA, MUN

TECHNICAL SKILLS

Programming Languages

C++, C, Python, Java, HTML, MATLAB

Tools

Mathematica, MATLAB, Vim, Emacs, L^AT_EX, Git, Microsoft Office Suite

EXPERIENCE

PF Glucose

New Haven, CT

Founder/CEO of Startup

Oct 2018 — Present

- Startup aims to create a non-invasive solution for blood glucose measurement
- Recently accepted into TSAI City Launch Pad Cohort for Fall 2020
- Developed prototype that can detect accuracy consistent with other invasive devices in the market
- Honor: Named Regeneron Science Talent Search Scholar in Jan 2020
- Honor: Won 2nd Place Grand Award in Biomedical Engineering at the International Science and Engineering Fair (ISEF) in May 2019.

Yale University School of Engineering and Applied Sciences

New Haven, CT

Researcher in Computational Biology Lab

Sept 2020 — Present

- Working on developing a graph embedding technique to understand higher-order interactions in schizophrenia data
- Developing a deep-learning framework for novel data

Token Nonprofit

Portland, OR

President of 501 © 3 Nonprofit Organization

Jan 2018 — Present

- Founded Token to help underprivileged children with chronic conditions in developing countries receive medical supplies.
- Funded more than 10 children via 5K Charity Runs, Events, and Auctions

Student Research Fellow

Arcadia, CA

Student Scholar at City of Hope Hospital

Jun 2019 — Sept 2019

- 1 of about 100 rising high school seniors nationwide to be accepted into the City of Hope scholars' program.
- Developed Bayesian framework for understanding drug interactions for glioblastoma cancer genes

Research Assistant

Arcadia, CA

ML Researcher at Oregon Health and Science University

Jun 2019 — Sept 2019

- Developed a differential equation-based algorithm for postprandial meal modeling to improve the accuracy of the artificial detection system
- Developed an edge-detection software for lipohypertrophy (excess adipose tissue) to reduce complications associated with insulin injections Honors; Won special awards at International Science and Engineering Fair (ISEF) in 2018
- Research published in JOURNEY Scientific Journal for Aspiring Scientists in Nov 2019

ACTIVITIES

Oregon Youth Delegate

Washington, D.C.

Advocate

Feb 2017 — Feb 2019

- One of two delegates from Oregon selected to raise awareness for diabetes funding in Congress
- Connected with Oregon Senators and Representatives, convincing them to support the Special Diabetes Program (150 million in research funding)
- Founded Youth Delegate Chapter for Oregon/SW Washington to inspire more kids to be interested in raising awareness

LANGUAGE SKILLS & INTERESTS

Languages

Hindi (Native Proficiency), Spanish (Intermediate Proficiency)

Interests

Baseball, Technology, Startups, TED Talks, Photography