



Contact

Phone

+1 (831) 889-3916

Email

WesleyJohansonZero@gmail.com

LinkedIn

linkedin.com/in/WesleyZero/

Location

Santa Barbara, California

Projects

Github

Github.com/WesleyZero

Education

2018, 2022, 2024

Chemical Engineering B.S.

University of California Santa Barbara

2012 - 2017

Chemical Engineering

Cabrillo Community College

2021

Computer Science

Cabrillo Community College

2020

Software Engineering

42 Silicon Valley (coding school)

Skills

- Shell Scripting
- Pandas, Numpy, Scikit, OpenCV
- ML, Data Science, Computer Vision
- Git
- Docker

Languages

Python

SQL

C++

C

Wesley Johanson

Engineer

I tutored students in chemistry, math, and physics during community college. Specializing in multi-variable and vector calculus. I was the top student in my Linear Algebra class because of this interest in multidimensional math. I stopped tutoring because an enthusiastic recommendation letter from my linear algebra professor awarded me a \$7k scholarship, requiring me to stop working. I then transferred to the most competitive public chemical engineering program in California.

In chemical engineering I studied a wide range of topics. Organic chemistry, thermodynamics, circuits, partial differential equations, Bayesian statistics, fluid mechanics, materials science, chemical reactor engineering, etc. During my academics I discovered a love for coding and software. So, I learned C and Unix Shell at a coding school, took computer science courses and returned to UCSB to complete my degree. I learned how to use computer vision in python and spent time developing a 3D organoid (cell complex) tracker for cancer research in the UCSB Materials Research Lab, the #1 ranked public materials lab in the country (1).

(1) - National Research Council and US News 2020

Experience

Summer 2022

Materials Research Lab | UC Santa Barbara

Undergraduate Researcher & Python Developer

Worked on developing a 3D cell detection and tracking program to automate scientific measurements of organoid measurements for cancer research.

2020

Apollo Tutoring | Fremont, CA

Math & Chemistry Tutor

Tutored high school students, and coached students on ACT and SAT exams.

2015 - 2017

Math Learning Center | Cabrillo College | Aptos, CA

Math Tutor

Tutored undergraduate college students in all lower-division mathematics courses.

2015 - 2017

MESA Center | Cabrillo College | Aptos, CA

STEM Tutor

Tutored undergraduate college students in all lower-division chemistry, mathematics, and physics courses. I led and directed a weekly calculus-III workshop (vector & multivariable calculus).

2014 - 2016

Self-Employed | Santa Cruz, CA

Private Tutor

Tutored undergraduate college students in all lower-division chemistry, mathematics, and physics courses.

Awards

2017

National Science Foundation SSTEM Award

\$7,000 Academically based award scholarship