

William J. Gan

I'm a rising senior studying Computer Science and Applied Mathematics at UC Berkeley. I'm particularly interested in topics such as probability, statistics, and ML.

<https://wjgan.com>
wjgan@berkeley.edu
(408) – 564 – 3031

Education

University of California, Berkeley

August 2016 – May 2020

B.A. Computer Science and Applied Mathematics. GPA: 3.93/4.00.

Experience

Google, Maps – SWE Intern

May 2019 – Present

I'm returning to Google this summer on the Environmental Insights Team, which leverages climate data to help cities combat pollution.

Google, Maps – SWE Intern

May 2018 – August 2018

I wrote the front-end and back-end for a tool that found duplicates in Google Maps's Point of Interest database. It allowed engineers to easily find duplicates by say, business chain, when in the past they needed to manually write SQL.

Ushur – Intern

May 2017 – July 2017

I developed software to match sentences to intents by building a pipeline that passed the sentence through various string matching and NLP models. This was used in Ushur's Language Understanding Service in production.

EECS 126 – uGSI

Fall 2018 and Spring 2019

I led discussion sections, homework parties, and office hours for an upper division probability course. I also developed and beta-tested content for exams and helped manage logistical issues such as grading.

Achievements

CS 61A Hog Competition

1st place in an AI Competition among 1600 students.

USA Computing Olympiad

Competed at the Platinum level, roughly top 150 in the nation.

Skills

C/C++, Python, HTML, CSS, JavaScript, Java, SQL.

Coursework

CS

Information Theory

Machine Learning

Computer Graphics

Efficient Algorithms and Intractable Problems

Optimization Models in Engineering

Probability and Random Processes

Signals and Systems

Math

Numerical Analysis

Linear Algebra