

# William J. Gan

Rising senior studying Computer Science and Applied Mathematics at UC Berkeley. Interested in probability, statistics, and ML.

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## Education

### University of California, Berkeley

August 2016 – May 2020

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

## Experience

### Google, Earth Engine – SWE Intern

May 2019 – August 2019

Analyzed climate model predictions and their accuracy compared to historical values. Identified temporal and geospatial trends in biases and informed the Environmental Insights Team of their strengths and limitations.

### EECS 126 – Head uGSI

August 2019 – Present

Will lead a 200-student upper division probability course. Will organize exams, discussions, and course content. Will manage logistical issues such as grading and the class website.

### Google, Maps – SWE Intern

May 2018 – August 2018

Developed a tool to filter duplicates in Google's Point of Interest database. Enabled the Local Algorithmic Identity team to discover patterns in duplicated data and tune the model used to find them.

### Ushur – Intern

May 2017 – July 2017

Created an NLP pipeline to improve Ushur's automated customer engagement system. Trained an ensemble of models and used them in conjunction with traditional string matching methods to match user messages to intents.

## 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