

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.

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 service algorithm. Trained an ensemble of models and used them in conjunction with traditional string matching methods to match user messages to intents.

EECS 126 – uGSI

Fall 2018 and Spring 2019

Led discussion sections, homework parties, and office hours for an upper division probability course. Developed and beta-tested content for exams and managed 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

