

William J. Gan

Senior studying Computer Science and Applied Mathematics at UC Berkeley. Interested in big data and machine learning systems.

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Education

University of California, Berkeley

August 2021 – May 2021

M.S. Electrical Engineering and Computer Science.

August 2016 – May 2020

B.A. Computer Science, Double Major in Applied Mathematics.
GPA: 3.94/4.00.

Experience

Nuro – SWE Intern

June 2020 – August 2020

Working on the Mapping and Localization team.

Google, Earth Engine – SWE Intern

May 2019 – August 2019

Analyzed climate model predictions data at the terabyte scale.
Evaluated accuracy compared to historical values and identified temporal and geospatial trends in biases.

EECS 126 – Head uGSI

August 2019 – May 2020

Leading a 250-student upper division probability course.
Responsibilities include writing exam / homework problems, making policy decisions, and handling logistics.

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.

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

Structure and Interpretation
of Computer Programs

Data Structures

Computer Architecture

Discrete Math and Probability

Signals and Systems

Probability, Random
Processes, and Inference

Convex Optimization

Operating Systems

Advanced Algorithms

Computer Graphics

Machine Learning

Information Theory