William Gan

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Education

- **UC Berkeley** — Berkeley, CA
  B.A. Computer Science and Applied Mathematics — 2016 - Present
  - 4.0 Major GPA, 3.92 Cumulative GPA
  - Algorithms / Data Structures, Information Theory, Machine Learning, Linear Algebra, Optimization, Probability, Signals

Work Experience

- **Software Engineering Intern at Google** — Summer 2018
  - Worked with Google Maps's Point of Interest (POI) team.
  - Created a website for finding and removing duplicate POIs in Google's database.
  - Made finding duplicates by categories e.g. (business chain) possible.
    * Wrote UI components to select options, users no longer need to manually write SQL.
- **Software Engineering Intern at Ushur** — Summer 2017
  - Worked on Ushur's Language Understanding service.
  - Trained various ML models to match sentences to intents.
  - Built a pipeline that tokenized text, evaluated it with different models, and heuristically picked an intent.
  - Developed a RESTful API to make this service usable.
- **Undergraduate Student Instructor for EECS 126** — Fall 2018
  - Led a discussion section of 50 students for an upper division probability course.
  - Co-led homework and lab parties and managed the grading process.

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

- Languages: C/C++, Python, HTML/CSS/JavaScript, Java, SQL