Matthew Wong

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EDUCATION

Stanford University   Expected May 2030

Bachelor's of Science, Computer Science and Geophysics

Mark Keppel High School   May 2025
- GPA: 4.25
- 1520 SAT

East Los Angeles College
- GPA: 3.89
- Part Time Dean's Honor List; President's Honor List

EXPERIENCE

Palantir Technologies   August 2025 - Current

Forward Deployed Engineer Intern (Meritocracy Fellow)   *New York*, NY
- Embedded FDE at a Fortune 500 TelCo, shipping production-grade data platforms directly for C-suite stakeholders.
- **Identified and resolved** a critical failure in an 8+ hour data pipeline; **re-architected the Apache Spark job**, reducing runtime to 1.5 hours and restoring stability for executive dashboards.
- **Architected an end-to-end AI pipeline** using embeddings to structure and analyze 100k+ unstructured employee roles, **delivering a new analytics capability to client leadership.**
- **Led client-facing discovery sessions** to identify new business challenges, scoping a data-driven solution that **helped secure a new contract with a logistics client.**
- **Analyzed platform usage data in Excel to identify adoption trends, presenting findings and recommendations to senior management via PowerPoint decks.**

Stony Brook University—Department of Geosciences   July 2024 - August 2024

Simons Summer Research Fellow   *Stony Brook*, NY
- **Developed a novel quantitative model** for isotope dilution to analyze geological samples; **processed and synthesized** complex elemental data (B, Sr, U, Pb) from raw outputs.
- One of 48 out of 1245 applicants selected to conduct research under a chosen mentor.
- *Citation:* Wong, M., Rasbury, T., et al. (2024). Understanding the Porcupine Fault System through U-Pb Dating and Thin-Section Analysis of Calcite Veins. Abstract ED41C-2449 presented at the American Geophysical Union Fall Meeting 2024. https://ui.adsabs.harvard.edu/abs/2024AGUFMED41C2449W/abstract

California Institute of Technology—Seismological Laboratory   August 2023 - April 2024

Researcher   *Pasadena*, CA
- Utilized Jupyter Notebook via Anaconda; Python with packages: Geopandas, Geodatasets, Contextily, NumPy, MatPlotLib, PyPlot, ObsPy; Mentored by Dr. Robert Clayton
- Presented at Los Angeles County Science and Engineering Fair; *3rd Place: Earth and Space Sciences*
- Conducted research, wrote and published paper dictating findings
  Citation:
  Wong, M., & Wang, Y. (2024). Determining the shear velocity of the Los Angeles Basin. CaltechDATA. https://doi.org/10.22002/6qgd6-9ec23

Earthquake Fellow   April 2023 - August 2023
- Conducted field experiments, from seismic refraction surveys to fault scarp observation
- Used Python to read and analyze seismic data from non-earthquake sources
- Created research project documenting effects of different human activities on seismic data
- Presented final project in front of Caltech faculty and students