

Justin Oh

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EDUCATION

Stanford University

Stanford, CA

Candidate for BS in Data Science, Minor in MS&E

September 2024 - June 2028

EXPERIENCE

Kaggle | Datasets Grandmaster, Notebooks & Discussions Master

Remote | December 2022 - Present

- Formerly the youngest US Grandmaster in [Kaggle](#)'s 14-year history.
- 1M+ impressions, 250k+ views, 10k+ downloads on datasets published in the world's largest data science community.
- Global Ranks: 20th in Datasets, 311th in Notebooks, 95th in Discussions out of ~23 million Kaggle users worldwide.
- Created and curated datasets by web scraping or manually compiling thousands of social media posts along with disaggregating, wrangling and cleaning exported data from ACLED, UN's FAO, Bureau of Labor and other sources.

Department of Homeland Security | CDOD Intern

Remote | June 2024 - August 2024

- Reengineered the Department of Defense's (DOD) software prototype of a Canonical Controlled Vocabulary (CCV) as part of DHS's Data Ops Division. Published documentation tracking the CCV's dataflow during user actions (ex. uploading a language set) to evaluate the extent of technical debt and adherence to DOD's VAULTIS data strategy.
- Formulated and ran benchmark tests to quantifiably measure the processing efficiency of the CCV in managing varying language sets, terms and file sizes.
- Collaborated with federal contractors to develop real-world test cases (ex. TBM Taxonomy dataset) to demonstrate the broad public sector appeal of the CCV's data maintenance capabilities.
- Compiled a list of 100+ CCV bugs by locally running the CCV's 7 Docker containers and tracking stored data in the Chroma and SQL databases. Fixed minor bugs with the Johns Hopkins Applied Physics Laboratory team and assisted their consolidation of the CCV into 4 Docker containers. Self-studied JavaScript to navigate the .js files in the NeoAPI and web app containers.

FATE: EduTech AI Startup | Co-founder, Lead Web Designer

Remote | May 2023 - October 2023

- Co-founded FATE, a 3-person startup that aimed to democratize college admissions by offering free, AI-powered tools that guide users through the entire application process.
- Devised and proposed product pitches directed at Irvine Unified School District counselors with intentions of transitioning into a yearly subscription plan for K-12 districts.
- Self-learned Figma and GIMP to prototype FATE's official website skeleton, business logo and background visuals.

Department of Homeland Security | CTOD Intern

Remote | June 2023 - August 2023

- Created a Python script using PyPDF2 and Openpyxl to automate the extraction of CAL program alignments from pre-existing JRIMS documents. Streamlined DHS's capability needs by eliminating duplicate CAL alignments.
- Developed PowerBI visualizations that generated a status report for recently completed and currently planned EABs/ARBs on Mobius's EAB/ARB dashboard.
- Enhanced the UI/UX designs of the ARB/EAB Value Definitions table and the FY gauge visualization to increase readability and accessibility in accordance with Web Content Accessibility Guidelines (WCAG).

INTERESTS

Basketball, climbing, jazzy hip hop and 2000s R&B music, reviewing new candy, Calvin & Hobbes