

DANIEL KAO

www.diplateevo.com
@diplateevo

education

UW MADISON

September 2021 - August 2023
M.S. Cartography and Geographic Information Systems

UC SAN DIEGO

September 2012 - June 2016
B.S. Computer Science

NYU SPS

January 2017 - June 2017
Cybersecurity Certificate

skills

PROGRAMMING

Node.js, Svelte, React, Vue, Python, SQL

DATA VIZ + GIS

D3, QGIS, MapboxGL, ArcGIS, WebGL, ObservableHQ

LANGUAGES

English (Native Speaker)
Chinese (Professional Proficiency)

writing

DIPLATEEVO

(diplateevo.com)

A blog on data journalism, graphics, and web engineering.

experience

DESIGN TECHNOLOGIST

[Stamen \(stamen.com\)](http://stamen.com)

March 2022 - current

- Worked with The San Francisco Exploratorium to create an interactive touch-screen exhibit with a map of plants in California.
- Worked with The Wilderness Society to create a web-based geospatial analysis tool to aid all Wilderness Society employees in research.
- Build tools with MPG Ranch to understand biospheres for ecologists and education.

SENIOR GRAPHICS ENGINEER

[Commonwealth Magazine 天下雜誌 \(cw.com.tw\)](http://Commonwealth Magazine 天下雜誌 (cw.com.tw))

March 2020 - February 2022

- Built graphics and infrastructure for live election results, used in multiple local and national Taiwanese elections.
- Significantly accelerated production time, allowing most large interactive projects to be completed within 1-2 weeks.
- Reorganized workflows for design, engineering, and editorial staff around publishing visual storytelling formats.
- Built an internal component library for quick development of story formats.
- Built an internal data pipeline for easily archiving, combining, and analyzing large amounts of data.
- Led a biweekly series of talks and trainings to help journalists become more comfortable with data and visualization tools.

GRAPHICS ENGINEER

[The News Lens 關鍵評論網 \(thenewslens.com\)](http://The News Lens 關鍵評論網 (thenewslens.com))

April 2019 - March 2020

- Led the digital efforts around the 2020 Taiwanese Election, including a poll aggregator, live election tracking, and election results analysis.
- Architected, engineered, scaled, and maintained a full stack graphics system based on Svelte, Sapper and hosted on Google Kubernetes Engine.
- Collaborated with editors to report on the protests in Hong Kong, 30 years after Tiananmen Square, and various other interactive articles.
- Created tools to help designers plug data into their graphics, saving time around doing menial and repetitive work.

SOFTWARE ENGINEER

[The New York Times \(nytimes.com\)](http://The New York Times (nytimes.com))

June 2016 - March 2019

- Prototyped, tested, and launched a new home page with hundreds of users.
- Assisted in the creation of Project VI, the sixth-generation front end of the New York Times, based on React and GraphQL.
- Built a new user interface for internal A/B testing, making QA processes more efficient.
- Built a newsletter and the infrastructure powering it called Your Weekly Edition that sends a weekly, personalized recommendations for every subscriber.
- Ran the Open Speaker Series, a monthly professional development forum for internal and external speakers.
- Launched NYTimes over TOR, a site on TOR Hidden Services to allow readers access the New York Times over TOR.