Nicholas Patel Swetlin

📞 858-860-4080 ✉ nickswetlin@gmail.com in linkedin.com/in/nickswetlin ⌂ github.com/nickswetlin

Education

University of California, San Diego (UCSD)   Expected Jun. 2025
Master of Science in Computer Science (Part Time, TBD)   *La Jolla, CA*
Bachelor of Science in Data Science (GPA: 3.80 / 4.00)

- **Relevant Coursework:** Practice and Application of Data Science (Pandas), Intro to Data Mgmt. (SQL), Data Structures and Algorithms (Python), Theoretical Foundations of DS. I & II.
- **Awards:** Quarterly Provost Honors (x10).

Experience

Halıcıoğlu Data Science Institute   Mar. 2024 – Present
Academic Tutor   *La Jolla, CA*

- Cumulative 100+ hours public speaking/presenting, including collaborating with peers to host a three-hour microphoned Q&A for midterm exam.
- A top contributor (22k+ lines of code) to practice.dsc40a.com, exam practice website used by hundreds of students.
- Lead the design, development, review process of professional video resources for data science students, self-taught with animation software (Manim).

Data Science Student Society (DS3) at UCSD   Sep. 2024 – Present
Professional Events Host   *La Jolla, CA*

- Tabled for the Data Science Student Society (DS3), conducting cold-opens to 50+ students.
- Coordinated logistics in Notion and Google Calendar for multiple industry-related workshops in team environment.
- Selected as future Project Lead for DS3's Consulting Team, involving heart data preparation for Vektor Medical.

Projects

Neural Network Capstone — *(Python, Shell)*

- Studied 60+ pages of Neural Network research to become knowledgeable in new technical domain.
- Crafted novel experiment in python code repository over 6 months, coded 75% of all work commits.
- Championed technical poster presentation to 50+ students and industry professionals at symposium.
- Tailored content to audiences of varying expertise through multiple deliverable types (research paper, poster, website).

Airport Expansion Modeling — *(Python, ArcGIS)*

- Learned GIS software over 50+ hours to build interactive report on how airport expansion affects quality of life for surrounding citizens.

Blackout Reporting — *(Pandas, GitHub Pages)*

- Developed 2 web reports for EDA & modeling of blackout duration in the United States.
- Implemented statistical methods (hypothesis testing, A/B testing) to identify data missingness & significant blackout trends.

The Sounds You Make — *(Node.JS)*

- Lead contributor of *The Sounds You Make*, an interactive linguistics web article.
- 25+ hours independently learning and incorporating UI/UX elements: interactive backgrounds, hand-crafted music, data animations, and a compelling narrative.

Technical Skills

Softwares & Languages: AWS EC2, ArcGIS, CSS, Canva, GitHub, GoogleSuite, HTML, Java, Javascript, LaTeX, MicrosoftOffice, PostGreSQL, Python (Pandas, PyTorch), Trello, VSCode.

Concepts: Collaboration, Cloud Computing, Data Structures & Algorithms, Data Visualization, Data Cleaning, EDA, Feature Engineering, Model Testing & Evaluation, Project Management, Process Automation, Public Speaking, Web & Systems Design, Webscraping/APIs.