

# James J. Escobedo

[james@escobe.do](mailto:james@escobe.do) | +1 (707) 299-0058 | [linkedin.com/in/jjescobedo](https://www.linkedin.com/in/jjescobedo) | [github.com/jjescobedo](https://github.com/jjescobedo) | [escobe.do](https://escobe.do)

## Skills

---

- **Programming Languages:** Python
- **Tools & Frameworks:** Figma, React, PyTorch, Grafana
- **Other:** Public Speaking, Leadership, Collaboration, Graphic Design, Data Analytics

## Education

---

### University of California, San Diego

Expected graduation, June 2029 La Jolla, CA

- **Majors:** Artificial Intelligence **B.S.** and Probability & Statistics **B.S.**
- **GPA:** Not yet available

## Experience

---

### Dual Path Connected Solutions Data Science Consultant

May 2025 - Present Remote

- Developed and designed Grafana dashboards to visualize appliance performance and comfortability metrics when integrated with different sensors for internet of things applications, projected to boost appliance lifetimes by  $\approx 10\%$ 
  - Developed and deployed machine learning models using PyTorch to analyze live sensor data, generating real-time performance alerts and actionable insights to prevent catastrophic failure in critical appliances

### EnvisionEd Software Developer, Graphic Designer, Co-Founder

2023 - 2025 Davis, CA

- Spearheaded complete UI/UX lifecycles, from initial wireframing and high-fidelity mockups in Figma to full frontend implementation using React.js, while establishing our organization's visual identity through professional logo design on Photoshop

### ai4genes Researcher

Spring 2024 Davis, CA

- Utilized PyMOL to visualize diseased proteins and gene mutations to supplement novel UC Davis research on schizophrenia
  - Applied Python and AlphaFold2 to further predictions and visualizations about mutation's impact on structure. text

## Projects

---

### ClassSync Automated K-12 Attendance System and UI

2023 - 2025 Davis, CA

- Architected a full-stack facial recognition system in Python to automate and secure student attendance and check-out processes for K-12 schools, yielding 99% accuracy and boosting classroom check-in efficiency up to  $\approx 46\%$ 
  - Executed full-stack development by architecting a scalable backend with Python, Postgres, and SQLAlchemy, and implementing a responsive frontend mocked on Figma, implemented using React

### Wordle AI Terminal-based Wordle remake w/ smart guesser

July 2025 New York City, NY

- Implemented an intelligent Wordle-solving algorithm in Python that leverages strategic filtering and word-frequency analysis to achieve a solve rate exceeding 90% over thousands of tests

## Activities & Leadership

---

### Jane Street Academy of Math and Programming AMPer

Summer 2025 New York City, NY

- Mastered empirically-driven algorithm analysis and rigorous unit testing through a catered programming course
- Developed a robust quantitative toolkit by solving complex problems using combinatorics and number theory

### Carnegie Mellon University's Artificial Intelligence Scholars Scholar, Tutor

July 2024 Pittsburgh, PA

- Engaged in an intensive course on artificial intelligence (Accelerated Course 10-315: Introduction to Machine Learning)
- Presented an Alzheimer's Detector web-app project creation process, final product, and use cases to Carnegie Mellon faculty

## Competitive Programming & Honors

---

### ClassSync

Davis, CA

- Judge's Choice at Little Bang! UC Davis Pitching Competition Winter 2025
- Awarded Most Innovative by Project Invent Spring 2024
- 3rd Place in Congressional App Challenge Winter 2024