

LIAM SEIDEL

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EDUCATION

Palos Verdes Peninsula High School 4.5 (w), 3.8 (uw) GPA
San Diego State University 3.5 GPA
(B.S. in Computer Science, Minor in Mathematics)

EXPERIENCE

Artificial Intelligence Urban Computing Research Assistant (September 2024-Present)

- Used a diffusion model-based STGAIL to analyze traffic data in urban locations with the goal of creating optimal traffic routes
- Our goal is to use findings to aid in the development of smart cities in the future.
- Implemented skills like PyTorch and TensorFlow.

Coding Minds Instructor (April 2024-Present)

- Instructed on Java and Python languages and Web Development.
- Created exercises and homework for students to complete.

Urban Youth Park Coach (May 2023-August 2024)

- Worked as a gymnastics/parkour instructor for kids grades K-12.
- Gave private group and 1-on-1 lessons.

PROJECTS

Brain Tumor Segmentation

- Detect brain tumors from CT scans using U-Net image handling

AI Voice Clone

- Use an AI model to take audio clips of the client, turn them to spectrograms, and replicate their voice based on a user input through text in Python.

Portfolio

- Portfolio was created using a combination of HTML, CSS, and JavaScript

SDSU

Clubs

Artificial Intelligence Club

- Project Lead
- Brain tumor segmentation and text-to-speech synthesis

eLeet Coders Club

- Built up Leetcode resume through collaboration and listened to many guest speakers.

Tau Kappa Epsilon Fraternity

- Philanthropy Event Organizer

Related Coursework

- Intermediate Computer Science, Data Structures, Machine Organization, Advanced Programming Languages (C++, C, Python, Scala), Computer Architecture, Introduction to Artificial Intelligence, Machine Learning, Operating Systems, Calculus 1 & 2, Physics 1 & 2, Discrete Mathematics, Linear Algebra, Statistics, Advanced Linear Algebra,