

# Oluwatomisin Adenekan

San Mateo, CA

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## EDUCATION

University Of Pennsylvania – Cumulative GPA: 3.57

Philadelphia, PA

Bachelor of Science in Engineering

Expected Graduation: May 2028

Major: Computer Science

Minor: Philosophy

Relevant Coursework: Discrete Mathematics, Probability, Intro to Computer Systems, Data Structures and Algorithms

## SKILLS

Technical: Python, Pandas, Java, HTML/CSS/JS, TypeScript, JavaScript, Scripting (Bash, Zsh), Linux/UNIX, Git/GitHub

## EXPERIENCE

Weingarten Center

Philadelphia, PA

Peer Tutor

August 2025 – Present

- Selected to tutor Math 1400 (Single Variable Calculus) and CIS 1200 (Programming Languages and Techniques) based on strong academic performance in the course
- Provide one-on-one and group tutoring for students, assisting with concepts, problem-solving, and exam preparation
- Foster a supportive learning environment to help students build confidence and improve academic performance

Center for Neuroengineering & Therapeutics

Philadelphia, PA

Research Intern

May 2025 – Present

- Developing a logistic regression-based web tool to predict seizure laterality, aimed at improving surgical planning
- Applied signal processing and statistical analysis techniques to EEG data, supporting the identification of seizure onset zones for epilepsy surgery
- Engineered scalable data pipelines (Bash, Batch, Python) to automate processing of 226GB+ of EEG recordings, improving workflow efficiency and reproducibility

Fife-Penn Stem and CS Academy

Philadelphia, PA

Instructor

Sep 2024 – Present

- Design and implement weekly curriculum for 50+ elementary school children across various high schools across Philadelphia
- Teach Scratch through custom-made interactive workshops, projects, and demonstrative games
- Guided the elementary school children through their own projects

## LEADERSHIP & PROFESSIONAL DEVELOPMENT

Penn Sports Analytics Group

Philadelphia, PA

Club Member

Aug 2025 – Present

- Work with Penn's Strength and Conditioning coaches to develop metrics like Total Score of Athleticism (TSA) to evaluate player performance and encourage competition across sports
- Leveraging Python to gather, clean, analyze and present athlete workout data to evaluate player lifts.

SEO Career

Remote, USA

SEO Edge Participant

Feb 2024 – Present

- Receive coaching and online instruction to achieve targeted interview, technical, and professional developmental goals
- Learn business fundamentals to compete successfully for internship opportunities
- Complete industry-specific training and assessments focused on developing technical skills, institutional knowledge, and attention to detail

## PROJECTS

PyComplete

Aug 2025

- Developed a text autocomplete library and API using Python and FastAPI, leveraging Markov chain algorithms to enhance predictive accuracy
- Designed and implemented a mock E-Commerce frontend in React to showcase and test the PyComplete API's capabilities

Musings

July 2025

- Designed, developed, and deployed a full-stack personal blog platform using Django, Bootstrap 5, and PostgreSQL, delivering a seamless and responsive user experience

Petras Consulting Website

Jan 2025

- Worked with Petras consulting to build their branding, including logo, color palette as well as prototypes of several designs for the Petras Consulting website
- Used HTML, CSS, Bootstrap 5, and Netlify to develop and deploy an interactive site detailing business strategy as well as personal objectives