

YUANBO PANG

✉ yuanbopang@gmail.com · ☎ (+1) 408-460-7526 · in YuanboPang

🎓 EDUCATIONAL BACKGROUND

De Anza College, Cupertino, CA

2023 – 2025

Associate Degree Computer Science, expected to graduate in June 2025

GPA: 4.0/4.0

Relevant Coursework: JAVA, Python, C++, Object Oriented Analysis and Design,

Online Courses through Coursera

Linear Algebra for Machine Learning and Data Science (offered by DeepLearning.AI) Jan 2024

Neural Networks and Deep Learning (offered by DeepLearning.AI) Mar 2024-Present

Supervised Machine Learning: Regression and Classification (offered by DeepLearning.AI, Stanford University) Feb 2024

Programming Fundamentals in Swift (offered by Meta) Dec 2023

Online Courses through Edx

6.00.2x: Introduction to Computational Thinking and Data Science (by MITX) Nov-Dec 2023

6.002.1x: Circuits and Electronics 1: Basic Circuit Analysis (by MITX) Feb 2024-Present

🏠 ACADEMIC EXPERIENCE

SlugHug | *React, JavaScript, HTML, MongoDB, Auth0, Axure*
team project

Santa Cruz, CA
Jan 2024

Demo <https://slughug.us>

Source Code: <https://github.com/marcus-leung/SlugHug>

- Using React to connect Auth0 to MongoDB. Saving Password in Auth0 and data in MongoDB.
- Contributed to the website's overall design and user flow, which includes bubbly and cute characters, by mastering and applying new skills in Auth0, UI/UX design, graphic design, database management, and React development.
- Win [Health Hack Second Place] and [Sponsor - Axure]

AI-Enhanced Classroom Assistant for Interactive Learning | *Python, Js, Html, C#* Cupertino, CA
Team Project | *Team Leader* Oct 2023-Present

Committed to using AI technology to help students improve the efficiency of classroom learning, making AI a teaching assistant by their side

Project Webpage: <https://github.com/ITTAAI/ittaaai>

- Led an AI technology-driven team project aimed at enhancing student learning efficiency by integrating AI as an on-demand teaching assistant.
- Developed and deployed Vosk-powered models for live speech recognition, and integrated the OpenAI API to analyze classroom content, enabling the provision of instantaneous, contextually relevant responses to student inquiries.
- Garnered the 'Best API' award at the De Anza Hack 2023.

Gradient Refractive Index Medium for Repairing Optical Fiber | *Mathematica* Nanjing, CHN
Personal Project Sep 2020-Jun 2021

- Simulate the use of fibers with specific refractive indices to repair broken optical fibers, thereby reducing the cost and difficulty of repairs
- Use Mathematica to trace the path of light in optical fibers
- Display an image of light ray tracing

EXTRACURRICULAR ACTIVITIES

Nanjing Jinling High School Nanjing, CHN
Chair of Publicity and Technology Department at Student Union Nov 2020-Jun 2023

- Led a team of nearly 50 people to shoot the large-scale graduation documentary ' Zhongshan Road 169' as the director and director of photography; the released video garnered over 20,000 views.
- Organized promotional tasks for school sports meets, food festivals, and other events.
- Led a technical team to troubleshoot and adjust school audio and video equipment.

Our City Forest San Jose, CA
Mar 2024-Present

- In a volunteer event, I led a team to successfully plant a sapling despite rocky challenges, showcasing leadership and collaboration.
- This activity highlighted the value of teamwork and community engagement in environmental efforts.

AWARDS AND HONORS

<i>Sponsor - Hack Foundation</i> Hack for impact, UCB	Feb 2024
<i>[Health Hack Second Place] and [Sponsor - Axure]</i> , Cruzhacks 2024	Jan 2024
<i>Best API</i> , De Anza Hacks 2023	Oct 2023
<i>First Prize</i> , Jiangsu Province of the Chinese National Physics Olympiad	2022
<i>The Most Virtuous High School Student in Jiangsu Province</i>	2023
<i>Silver Medal</i> , American Physics Bowl	Mar 2022
<i>8 points</i> , AIME American National Mathematics Competition	

SKILLS

- Languages: Chinese (native), English (fluent)
- Programming Language: Python, C++, Swift, Html
- Professional Skills: Numpy, Fastapi, MongoDB, Auth0

OTHERS

- : <https://github.com/PangYuanbo>