# YUANBO PANG

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

## 🎓 EDUCATIONAL BACKGROUND

**De Anza College**, Cupertino, CA                                                     2023 – Present

*Associate Degree* Computer Science, expected to graduate in June 2025

## ☰ INTERNSHIP/PROJECT EXPERIENCE

**Nanjing Jinling High School** Nanjing                          September 2020 - June 2023

*Student Union*   Position: Chair of Publicity and Technology Department

- As the director and director of photography, led a team of nearly 50 people to shoot the large-scale graduation documentary 'Zhongshan Road 169,' which received a strong response from all sectors of society https://www.bilibili.com/video/BV1Jt4y1a7z1/
- Organize promotional tasks for school sports meets, food festivals, and other events
- Leading a technical team to troubleshoot and adjust school audio and video equipment

**Gradient Refractive Index Medium for Repairing Optical Fiber**            9/2020-6/2021

*Mathematica*   Personal Project

Simulate the use of fibers with specific refractive indices to repair broken optical fibers, thereby reducing the cost and difficulty of repairs, https://github.com/cyfdecyf/cow

- Use Mathematica to trace the path of light in optical fibers
- Display an image of light ray tracing

**Ittaai**                                                                    October 2023 – Present

*Python,JavaScript,HTML,C*   Team Project

Team Leader  Committed to using AI technology to help students improve the efficiency of classroom learning, making AI a teaching assistant by their side, https://github.com/ITTAAI/ittaai

- Using Vosk-driven models for streaming real-time speech recognition
- Using GPT to segment classroom content, and providing real-time answers to student questions based on the queries and the context of the lesson
- Win The Best APi in De Anza Hack 2023 https://devpost.com/software/ittaai

**SlugHug**                                                                         January 2024

*React,JavaScript,HTML,MongoDB,Auth0,Axure*   Team Project

SlugHug is a platform where users can anonymously send messages (slugs) and receive a single reply (hug) from others. It's designed to offer therapeutic communication, with troll messages being flagged by sentiment analysis AI.SlugHug's future potential extends beyond therapeutic purposes to other communities. https://github.com/marcus-leung/SlugHug

- Using React to connect Auth0 to MongoDB. Saving Password in Auth0 and data in Mongodb.
- The overall design and flow of the website. There are bubbly cute characters. The fact that several of us took the plunge and learned something completely new - Auth0, UI, Graphic Design, Databases, React...
- Demo https://slughug.us
- Win [Health Hack Second Place] and [Sponsor - Axure] https://devpost.com/software/slughug

## ⚙ IT Skills

- Programming Language: Python > C++==Swift > Java
- Platform: MACOS

## ♡ Awards and Honors

| | |
|---|---|
| *[Health Hack Second Place] and [Sponsor - Axure]*, Cruzhacks 2024 | January 2024 |
| *Best API*, De Anza Hacks 2023 | October 2023 |
| *First Prize*, Jiangsu Province of the Chinese National Physics Olympiad | 2022 |
| *The Most Virtuous High School Student in Jiangsu Province* | 2023 |
| *Silver Medal*, American Physics Bowl | March 2022 |
| *8 points*, AIME American National Mathematics Competition | |

## 👥 Volunteer Activities

**Nanjing Jinling High School** Nanjing                    September 2020 - June 2022

## ⓘ Others

- ⌥: https://github.com/PangYuanbo
- Language: English and Chinese