

YUANBO PANG

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🎓 EDUCATIONAL BACKGROUND

De Anza College, Cupertino, CA 2023 – 2025

Phi Cheta Kappa Honor Student

Academic Director in Quantum Club|President in Data Club|Vice President in EnvirEcon Club

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

Deep Learning(including 5 Courses) (offered by DeepLearning.AI) Mar- June 2024

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

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

👜 WORK EXPERIENCE

Research Intern|IntelliSys Lab, StevensTech Hoboken, NJ

July 2024-Present

- Federated Learning Approach and Distributed Computing

🏠 ACADEMIC EXPERIENCE

Stud.ai | *FastAPI,React,Python,FetchAi* Cambridge, MA

team project Sep 2024

Win [Smartest Ai agent]|HackMIT 2024

Streamlines assignment completion by generating timelines with steps based on descriptions and rubrics, and automatically schedules suggested work time in students' available calendar slots.

Robotic-arm Engineering Club, Foothill College

team project Apr -Jul 2024

Developed end-to-end chess piece recognition and control system using the UR10 robot with custom hardware and software. Implemented ResNet-50 for piece detection and Azure Kinect SDK for image processing.

Golden Groceries | *FastAPI,React,Python,Node.js,Claude,You.com* Berkeley, CA

team project|team leader Jun 2024

Developed a system for seniors to track nutrient intake via food photos, with data shared with healthcare providers. Used ChatGPT for data analysis, and integrated You.com for real-time restaurant searches.

GetResearch | *FastAPI,React,PostgreSQL,PropelAuth,AWS* Davis, CA

team project|team leader Apr 2024

Win [MLH - Best DomainHackDavis]|HackDavis 2024

Led development of a platform connecting students with professors for research collaboration, addressing visibility and accessibility challenges. Built with FastAPI, React, PostgreSQL, PropelAuth, and AWS. Won "MLH - Best Domain-HackDavis" and received praise from undergraduate peer evaluations.

ClearSight| *Fastapi,React,JavaScript,HTML,MongoDB* Berkeley, CA

team project|team leader February 2024

Win [Hack for Financial Transparency]|Hack for Impact 2024

Developed a financial transparency tool using HCB Transparency Mode API for real-time data. Created an intuitive, customizable dashboard with advanced visualization and interactive elements for enhanced user engagement.

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

Santa Cruz, CA
Jan 2024

Win [Health Hack Second Place] and [Sponsor - Axure]

Integrated Auth0 with MongoDB using React, managing password security and data storage. Contributed to UI/UX design with a playful, character-based theme, while applying skills in Auth0, graphic design, database management, and React development.

AI-Enhanced Classroom Assistant for Interactive Learning |Python,Js,Html,C#
Team Project | Team Leader

Cupertino, CA
Oct 2023-Present

Win [Best API]|De Anza Hack 2.0

Led a project to improve student learning efficiency by integrating AI as a teaching assistant. Developed Vosk-powered live speech recognition models and integrated the OpenAI API for real-time classroom content analysis and responses.

Gradient Refractive Index Medium for Repairing Optical Fiber | Mathematica
Personal Project

Nanjing, CHN
Sep 2020-Jun 2021

Simulated the use of fibers with specific refractive indices to repair broken optical fibers. Utilized Mathematica to trace light paths and visualize ray tracing in optical fibers.

🧩 EXTRACURRICULAR ACTIVITIES

Stanford XR Conference 2024: Navigating the Spatial Frontier

Stanford, CA
May 2024

Setting up the venue and assisting with project displays and visitor guidance.

CIS Teaching Assistant

Cupertino, CA

CIS Department Teaching Assistant (CIS 22A, CIS 22B, CIS 22B, CIS 35A)

July 2024-Present

Second Harvest of Silicon Valley

Sunnyvale, CA

Helping to distribute food at the church

April 2024-Present

Our City Forest

San Jose, CA

Overcame challenges in sapling planting to support environmental protection

Mar 2024-Present

Nanjing Jinling High School

Nanjing, CHN

Chair of Publicity and Technology Department at Student Union

Nov 2020-Jun 2023

Directed the graduation documentary "Zhongshan Road 169" with over 20,000 views, organized promotional tasks for school events, and led a technical team to manage audio and video equipment.

💖 AWARDS AND HONORS

Smartest Ai agent HackMIT,MIT

Sep 2024

Sponsor - Hack Foundation Hack for impact, UCB

Feb 2024

MLH - Best DomainHackDavis, UCD

April 2024

Health Hack Second Place and Sponsor - Axure, Cruzhacks

Jan 2024

Best API, De Anza Hacks

Oct 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

Mar 2022

8 points, AIME American National Mathematics Competition

⚙️ SKILLS

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