

# Pengyu(Phillip) Wang

COMPUTER SCIENCE SOPHOMORE

Abu Dhabi · Changsha

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## Education

### New York University Abu Dhabi

Abu Dhabi, UAE

B.S. IN COMPUTER SCIENCE · GPA: 3.91/4

Sep. 2019 - May. 2023

- Minor in Applied Mathematics
- Honors/Awards: Four-Year Full Ride Scholarship

## Experience

### combyne

Munich, Germany

JUNIOR DATA ANALYST

Jun. 2020 - Present

- Delivers user retention reports with BigQuery and Google Analytics
- Builds closed funnels for tracking user behaviors
- Provides insights into user journeys through data visualization with Python

### AppCircle Education Technology

Hangzhou, China

CO-FOUNDER & HEAD OF DATA TEAM

Jul. 2017 - Apr. 2019

- Co-founded the company to provide quantitative analysis of college application process
- Streamlined the data pipelines for matriculation profiles analysis
- Assembled the social media operation team and accumulated 10k+ subscribers

### Screen Helper

Abu Dhabi, UAE

PROJECT LEADER

Oct. 2020 - Nov. 2020

- Deployed a local web-app that leverages computer vision for better screen time
- Implemented the webcam utilization, model prediction, and backend architecture

### MeetUp

Shanghai, China

PROJECT MANAGER & SOFTWARE ENGINEER

Aug. 2019 - Nov. 2019

- Built an app for a group of people to decide on the best place to meet
- Managed the whole project in a full life cycle
- Developed back-end with Flask and database with Redis

## Research

### The Genocide and Conflicts Research on Rwanda

Abu Dhabi, UAE

RESEARCH ASSISTANT

Nov. 2019 - Jun. 2020

- Investigated social change due to genocides from quantitative perspective
- Collected speech data using web-crawling with Python

### Evaluation Model of Balloon Flight Safety Index

Beijing, China

LEADING RESEARCHER

Feb. 2018 - Aug. 2018

- Led a research team of four members in different timezones
- Trained various machine learning models with Scikit-learn
- Fine-tuned a third-generation decision-tree model that achieved 0.85 recall rate

## Honors & Awards

2020 **Ranked 447 Globally, 1st UAE**, Google Hash Code Competition

Abu Dhabi, UAE

2019 **4th in 63 teams, Best Business Potential**, TechX Hackathon

Shanghai, China

2020 **1st Place**, HackAD Challenge for Social Good

Abu Dhabi, UAE

2018 **First Prize**, Artificial Intelligence Competition of China

Beijing, China

2018 **Second Prize**, National Undergraduate Autopilot Design Competition

Guangzhou, China

## Skills

**Programming** Python, C/C++, GoLang, Git, LaTeX, HTML/CSS, Matlab

**Data Science** BeautifulSoup, Matplotlib, Numpy, Pandas, PySpark, PyTorch, Scikit-learn, Seaborn

**Product** Google Analytics, Firebase, BigQuery, Data Studio

**Languages** English, Chinese, German