

Zhongyin ZHANG

+1 343 333 8867 (Mobile) | zhongyinz@alumni.upenn.edu | www.linkedin.com/in/zhongyin-zhang-132462139

EDUCATION BACKGROUND

University of Pennsylvania	Master of Science in Engineering - MSE, Data Science	Jan 2023 - Dec 2024
The University of Texas at Austin	Master of Computer Science - MCS, Computer Science	Jan 2023 - Jan 2027
Queen's University at Kingston	Bachelor of Science - BS, Physics and Computing	Jul 2017 - Jul 2021
Peking University	Summer Certificate Student, Economics and Computing	Jul 2018 - Jun 2019

WORK EXPERIENCE

Queen's University at Kingston, Ontario, Canada

Academic Tutor Oct 2020 - Present

- Delivered tutorials in Physics, Computing, and Math to first- and second-year university students
- Simplified complex concepts to enhance student understanding and improve problem-solving abilities
- Specialized in first-year Physics courses (PHYS 117, 118, 104, 106) and selected second-year courses (PHYS 213, 212, 239), as well as supporting courses (MATH 110, MATH 120, CISC 121)

University of Pennsylvania, Pennsylvania, United States

Graduate Teaching Assistant Dec 2023 - Dec 2024

- Supported course delivery by assisting with lectures, tutorials, and grading, ensuring student engagement and understanding
- In the summer semester, served as Project Head TA, overseeing the TA team and managing course operations
- Developed leadership, organizational, and mentoring skills while ensuring a seamless learning experience for students

Dalian Han'ian Technology Co., Ltd, Liaoning, China

Data Analyst Nov 2021 - Dec 2022

- Conducted data analysis to derive actionable insights for business decision-making
- Utilized data manipulation tools such as Python (Pandas, Numpy) and SQL to analyze large datasets efficiently
- Developed data visualizations using Matplotlib and Power BI to present key findings to stakeholders
- Supported data cleaning, transformation, and quality assurance efforts to ensure accurate and reliable data

Queen's University at Kingston, Ontario, Canada

Academic Assistant for Faculty of Engineering and Applied Science Apr 2022 - Jun 2022

- Delivered tutorials for APSC 112: Physics II, an engineering-focused course covering electricity and advanced mechanical concepts
- Facilitated student understanding of topics such as oscillations, waves, electric charge, DC circuits, electromagnetic induction, and more
- Provided 0.5 units of tutorial support, utilizing problem-solving exercises and hands-on demonstrations to reinforce core concepts
- Enhanced student engagement and comprehension through interactive learning sessions

Alps Alpine Co., Ltd, Liaoning, China

Software Programmer (Internship) Dec 2021 - Feb 2022

- Specialized in Android development using Java, with experience in designing, building, and publishing mobile applications
- Successfully developed and launched an Android Map and Navigation app, featuring real-time updates to improve user experience
- Demonstrated strong problem-solving skills and a focus on delivering high-quality, user-centric mobile solutions

Google, Greater Toronto Area, Canada & Shanghai, China

Artificial Intelligence Engineer (Internship) Sep 2021 - Nov 2021

- Worked on Artificial Intelligence (AI) projects focusing on natural language processing (NLP) and implementing machine learning techniques, including random forests and K-Means
- Coded extensively in Python, leveraging libraries like Pandas for data manipulation and analysis
- Utilized SQL for efficient database querying and management
- Gained hands-on experience in end-to-end development of data-driven solutions, enhancing expertise in AI and data science

PERSONAL HIGHLIGHTS

- Proficient in Python (pandas, numpy, sklearn), SQL, Java, and web development (HTML, CSS, JavaScript)
- Experienced in Android development, AI, and machine learning, with hands-on project success in NLP, algorithms, end-to-end data solutions
- Passionate about solving real-world challenges through innovative, data-driven approaches
- Seeking roles as a **Data Analyst, Data Scientist, or Developer**