



# Jiaxin(Jeremiah) Pan

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## Education

- 2024–2027 **B.Sc. in Physics (Expected)**, *The Chinese University of Hong Kong, Shenzhen*  
Transferred from Business Economics in 2024; currently majoring in Physics.
- 2023–2024 **B.B.A. in Economics (Transferred to B.Sc. Physics)**, *The Chinese University of Hong Kong, Shenzhen*  
Completed Year 1; transferred to Physics program in 2024.
- 2020–2023 **High School Diploma (Liberal Arts)**, *Chongqing Nankai Secondary School*, Chongqing, China

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## Research Experience

- 2024 (Fall) **Independent Group Research on Semiconductor Optical Properties**, *The Chinese University of Hong Kong, Shenzhen, China*  
(**Group Leader**) Led a team in investigating optical properties of semiconductors; conducted literature review, authored final report, and delivered class presentation.
- 2025 (Spring) **Independent Group Research on Bell Test in Quantum Physics**, *The Chinese University of Hong Kong, Shenzhen, China*  
(**Group Leader**) Led a team in exploring experimental verification of Bell's theorem; delegated tasks, co-authored final report, and delivered final presentation.
- 2025 (Spring) **Independent Group Research on Computational Physics (Quantum Harmonic Oscillator)**  
Synthesized research data and methodologies from team members to author the final report using  $\text{\LaTeX}$ .
- 2025 (Fall) **Guided Research on Quantum Transport in Hybrid Systems**, *Prof. Qian Qi's Lab*  
(In Progress) Replicating and adapting doctoral-level experimental protocols to fabricate and characterize hybrid quantum devices; gaining hands-on experience in nanofabrication and low-temperature measurement techniques.

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## Work Experience

- 2025 (Fall) **Undergraduate Student Teaching Fellow (USTF)**, *CUHK-SZ School of Science and Engineering*  
Teaching Fellow for: CSC1005 (Intro. to Computer Engineering), CSC1001 (Intro. to Computer Science), and PHY1001 (Mechanics).
- 2023–2025 **Private Tutor**  
Tutored students in CET-4, college entrance English, and international middle school math (Big Ideas Math curriculum); customized lesson plans to improve student performance.
- 2023 (Summer) **Teaching Assistant**, *New Oriental Education & Technology Group*, Chongqing, China  
Assisted lead instructors in English classes; supported classroom management, prepared materials, and communicated with parents about student progress.

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## Exchange/Visiting Program

- 2025 (Summer) **Summer Visiting Student (Completed)**, *University of California, Berkeley Extension*, Berkeley, CA, USA  
Completed coursework in physics and neuroscience; enhanced cross-cultural academic communication and independent learning skills.
- 2026 (Spring) **Visiting Student**, *University of Auckland*, Auckland, New Zealand  
Nominated by CUHK-SZ; program to commence in Spring 2026.
- 2026 (Fall) **Student Exchange Program**, *King Fahd University of Petroleum and Minerals*, Dhahran, Saudi Arabia  
Planned; subject to university nomination and program availability.

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## Honor(s)/Award(s)

- 2023–2026 **Full-Tuition Scholarship**, *CUHK-SZ*, Awarded based on outstanding 2023 Gaokao score.
- 2024 **Dean's List**, *CUHK-SZ School of Management and Economics*, Recognized for academic excellence in AY2023–2024.
- 2025 **Dean's List**, *CUHK-SZ School of Science and Engineering*, Recognized for academic excellence in AY2024–2025.
- 2025 **Shaw Overcoming Adversity Award**, *CUHK-SZ Shaw College*, Recognized for resilience and perseverance in overcoming personal and academic challenges.

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## IT Skills

- Microsoft Office Proficient in Word, Excel, PowerPoint, Teams, and Planner for academic and collaborative tasks.
- Programming Proficient in Python through coursework: CSC1001 (A grade), CSC1006 (ML concepts), and PHY2650 (team project: full marks + bonus for excellence).
- Social Media Experienced in content creation and engagement on Twitter (X), Instagram, Facebook, WeChat, QQ, and TikTok.
- Media Editing Skilled in iMovie and TikTok Studio for photo and video editing.

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## Language Skills

- English Full professional proficiency (academic and daily communication).
- Mandarin Chinese Native proficiency.
- Cantonese Basic conversational ability.

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## Extracurricular Activities

- 2024–Present **CUHKSZ Physical Society, Management**  
Organized academic events and coordinated internal operations for the Physics Society.
- 2024–Present **CUHKSZ Economics Club, Core Management, Head of Secretary Department**  
Managed documentation, social media content, and event logistics for the Economics Club.
- 2023–2024 **CUHKSZ Shaw College, Student Helper**  
Produced WeChat content, provided multimedia support, and assisted in organizing and managing campus events.
- 2023 **CUHKSZ School of Humanities and Social Sciences, Research Assistant**  
Supported research documentation through field photography and video editing; assisted professors in data organization.