Chen Yuke

Electrical and Computer Engineering

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Education

Shanghai Jiao Tong University 2023–2027 (Expected)
Global College · Electrical and Computer Engineering

Project Experience

Dishwasher Spray Force Monitoring 2026
Industry-Sponsored Capstone
Lead an industry-sponsored capstone team in collaboration with Midea, coordinating technical communication and contributing to real-time monitoring software for a prototype supporting four sensing positions at 8 kS/s per channel.
Python · PySide6 · Data Acquisition

Mouse Catastrophe 2024
Game Development & Interaction Design
Collaborated in a four-member Elm game development team and co-created original visual assets for a 2D action-adventure game featuring three main levels, resource management, map exploration and boss battles.
Elm · Gitea · Game Design · Digital Illustration

Interactive Data Visualization 2026
Data Analytics & Software
R · Shiny · ggplot2

Experience

ITBA International Winter Program 2026
International Academic Program · Data Analytics
Completed a 44-hour English-taught Data Analytics program at Instituto Tecnológico de Buenos Aires (ITBA), Argentina, covering SQL, data modeling, business intelligence and data visualization, alongside introductory Spanish learning and cross-cultural exchange.

Macau Social Practice and Field Research Initiative 2024
Project Leader, Project Planning and Proposal Presentation
Led a nine-member interdisciplinary team across three schools in developing a research proposal covering interviews, thematic discussions, cultural exploration and student exchanges in Macau. Won First Prize in the 2023–2024 Joint Institute Summer Social Practice Proposal Competition.

Technical Skills

Programming: Python, C/C++, R, Elm
Hardware: Verilog, Vivado, Circuit Design
Software & Tools: Git, PySide6, MATLAB, Wireshark, R Shiny
Design & Engineering: UI Design, Data Visualization, Rapid Prototyping

Languages

Mandarin · **Cantonese** · **English** (CET-6: 548, TOEFL: 4.5)