


XINJIAN WU

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EDUCATION

- **University College London** Sep 2024 - Present
MSc Computer Science (Expected) London, UK
 - **Main Courses:** Software Engineering, Applied Deep Learning, AI and Neural Computing
- **University College London** Sep 2021 - Jul 2024
BSc Mathematics with Economics London, UK
 - Graduated with **First Class Honours**
 - **Main Courses:** Combinatorics and Optimisation, Measure Theory, Decision and Risk, Game Theory

WORKING EXPERIENCE

- **Leyo Game**  Jul 2023 - Sep 2023
Game Programmer/Developer Guangzhou, China
 - Developed a custom **Shop** class to simulate purchasing dynamics within “Shop Street” feature
 - Awarded **Top 10 free iOS games in Japan/Korea** and **Top 20 free iOS games in the US**

PROJECTS

- **EdgeInfer** Oct 2024 - Present
Software Engineer Tools: [Java, C++]
 - Implemented an Android application enabling on-device LLM execution with **PowerInfer** framework
- **CodeMind Framework** Oct 2024 - Present
Programmer Supervisor: Prof. Earl Barr
 - Developed a framework for generating **code-based mind maps** to visualize codebase structure
 - Utilized these mind maps to **enhance AI code completion and generation accuracy** in early prototypes
- **ThrowCoin Knight** Jul 2024 - Aug 2024
Game Developer Tools: [Godot]
 - Built a 2D roguelike with an innovative **coin-throwing mechanic** for combat and puzzle-solving
- **Market Risk Measurement** Feb 2024 - Mar 2024
Data Analyst Tools: [R]
 - Constructed a log-return-based portfolio from FTSE100 and S&P500 with equal weighting
 - Estimated 99% and 95% **Value-at-Risk** using Monte Carlo simulations and **Copula theory**
- **Interactive Fiction** Jun 2023 - Sep 2023
Software Engineer Tools: [Python, Django]
 - **Integrated NLP modules** to enable dynamic, context-aware dialogues
 - Deployed a functional demo on localhost and secured **\$4000 in AWS cloud credits**

SKILLS

- **Programming:** Python, C++, Java, C#, R, JavaScript/TypeScript
- **Frameworks & Libraries:** PyTorch, TensorFlow, scikit-learn, Pandas, NumPy
- **Web & Frontend:** Vue, React, HTML, CSS
- **Tools & DevOps:** Git, Docker, Shell
- **Mathematical Tools:** Mathematica, MATLAB
- **Game Engines:** Unity, Godot