Zhenglong Wu

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EDUCATION

University College London (UCL)   **London, UK**
BSc Information Management for Business (computing track): Expected First   Sept. 2023 – July 2026

- Modules: Programming I, Information Systems, Web Technologies, Business Intelligence, Project Management
- Activities: Placed top 5 at G-Research and BlackRock challenges at Imperial Algothon hackathon, UCL LUSL 1 Competitive Tennis, Economics and Finance Society, Asset Management Society

Eton College   **Windsor, UK**
A-Level/IGCSE (entry on music scholarship and bursary)   Sept. 2017 – July 2022

- A-Level: Mathematics (A*), Economics (A*), Computer Science (A*), Music Technology (A*). IGCSE: 10x A*
- Awards – 3x Trials Prize (No.1 in subject exam ranking), Keynes Economics Prize highly recommended, Mosely Physics Prize winner, Merton Chemistry prize winner, Advanced Piano Competition highly commended

WORK EXPERIENCE

OxValue.ai   **London, UK**
Part-time Software Engineer   June 2023 – Present

- Worked under Prof. Xiaolan Fu at Oxford University spin-out company, utilizing data and AI technology to evaluate monetary value of technology and technology-rich startups; received part-time offer after summer internship
- Engineered experimental functionality for development team
  - Developed one of industry's first Large Language Model (LLM) chat-based valuation data collection system using OpenAI GPT API
  - Implemented dual-layer agent design, with LM as embedding/retrieval layer and LLM as generative layer using Pinecone and LangChain
  - Devised prompts for function calling requests integrating GPT API with internal architecture, allowing for -15% run time during requests
- *Wrote scripts to automate valuation model data validation, cleaning, and structuring for training; accelerated individual test case workflow by 30%*

8 Hours Ahead   **London, UK**
Corporate Finance Off Cycle Intern   Dec. 2022 – Feb. 2023

- Screened and filtered 600+ companies to 10 candidates for approach using weighted fit score with parameters on vertical suitability, deal type, last-known valuation, and IP defensibility with data querying from Pitchbook API
- Produced market approach strategy for client, with market breakdown, recommendation on market penetration scheme, business model adoption, and suggested local strategic partners

VSA Capital PLC   **London, UK**
Investment Banking Summer Analyst   July 2022 – Aug. 2022

- Assisted deal team with due diligence and IPO preparation for a cosmetic retailer listing on AQSE
  - Assembled investors prospectus with competitive positioning, precedent deal analysis, and cash flow statements from P/L and balance sheet
- Worked on sell-side mandate and produced research for client raw mineral extraction group
  - Provided DCF on early scoping study of £120M sheet vein mine site, with sensitivity analysis on mineral commodity price volatility
  - Completed research report on cost-reduction solutions for executive option/warrant issuance within AIM and AQSE regulation

LEADERSHIP AND VOLUNTEERING EXPERIENCE

Action Tutoring   **London, UK**
Volunteer Tutor   Sept. 2023 – Present

- Taught mathematics to London secondary school students from disadvantaged backgrounds to help them achieve grades goals in GCSE exams
- Planned lesson material, marked student homework, and aided staff to create positive teaching environment to facilitate effective education

Psi Asset Management Limited   **Hong Kong, Hong Kong SAR**
Managing Founder   Feb. 2023 – Present

- Authored and back-tested spread mean reversion pair trading strategy on the QuantConnect platform using Python
  - Developed an ETF spread trading strategy with Ornstein-Uhlenbeck modelling, outperforming benchmark by 3.2% in the past 2 years
  - Optimised trade monitoring and filtering system, reducing the impact of transaction costs on alpha by 25%
- Implemented principal component analysis alongside standard statistical hypothesis testing for screening
  - Screened 150+ ETFs by cointegration, half-life, and hurst exponent spread-reversion to form mean-reverting ETF pairs

Eton College & Holyport Investment Club   **Windsor, UK**
Chairman   Mar. 2021 – Mar. 2022

- Lead equity research groups, conducted investment committee/meetings and recruited new members; portfolio outperformed benchmark by 14%
- Conducted financial modelling with DCF, DDM, and CFROI valuation frameworks, using Reuters Eikon and Excel
- Launched investment research training program for local sixth form schools
  - Taught in program seminars on foundations of financial accounting, concepts of valuation, and equity fundamental analysis
- Donated portion of annual trading profits of club to support financial education in partners schools (~£2.5k donated since 2019)

SKILLS, ACTIVITIES & INTERESTS

Languages: Mandarin (native), Cantonese (basic), Spanish (basic)
Technical skills: Python, Swift, SQL, C#, JavaScript, Git, Linux **Libraries:** pandas, openai, pincone, langchain, TensorFlow, Keras, PyTorch, statsmodels
Interests: tennis, piano performance, film music composition, motor vehicle racing/restoration, automotive engineering, weightlifting