Reference for Julia Goh

I am pleased to provide this reference letter for Julia Goh, an exceptional Computer Science graduate at UCL. She is studying MEng Computer Science with a minor in Intelligent Systems (expected First Class Honours). As an indication of her excellence, she achieved the Cambridge Outstanding Learner Award on "Top in the World Mathematics" for scoring 100% in the subject during GCSE A-Levels. In her final year thesis, she worked with Generative Artificial Intelligence (AI) for Music where she produced an excellent thesis with successful results in image-conditioned music Generative AI and music-conditioned image Generative AI.

As background on myself, I am Philip Treleaven, UCL Professor of Computer Science, successfully graduating over 90 PhD students. In addition, I have led a number of pioneering research projects developing much of the early financial fraud detection software with UK financial institutions and helping develop the first European Algorithmic Trading platform with a leading Investment Bank. So I feel confident in assessing Julia's excellents.

Her main fields of study include Machine Learning (ML), Robotics, Computer Graphics and Networks, where she also worked on research in multi-agent reinforcement learning (MARL) in portfolio management and network analysis for programming languages. Her strong technical skills made her especially well-equipped for the ML Engineer, Full Stack Software/Systems Engineer and similar positions, where her tech stack non-exhaustively includes Python, Node.js, React.js, Prisma, Docker, and more. She is also fluent in three languages: English, Mandarin Chinese and Malay.

In terms of work experience, she worked as a ML Engineer at Unify for over a year, where she was part of the Web and Cloud team, responsible for full stack software development with Python, Prisma database and Javascript (inc. Node.js, React.js, etc.). This includes developing the Model Hub and Console products on Google Cloud Platform (GCP) and/or Amazon Web Services (AWS). She also led the Applied team in expanding their Ivy Models ecosystem from scratch to more than 15 different models within 4 months.

Previously, she was a System Engineering Intern at Infosys where collaboration took place in a team of three to solve the ML problem of Question and Answering (QnA) chatbot for clinical tabular data. Furthermore, she worked in Bridges for Enterprise (BfE) as a Cambridge Technology Associate for revamping their technology website.

I am pleased to recommend Julia and please contact me if you have any further questions.