01 December 2024

Subject: Reference Letter for Ms Linn Oberbeck

Student name: Ms Linn Oberbeck
Student number: B912385
Degree name: BSc (Hons) Computer Science and AI
Dates of study: July 2020-June 2023
Degree: 2i
Dissertation grade: 89/100

Dear Admissions Committee,

In my capacity as personal tutor and research supervisor, I am writing to provide my strong support for Linn Oberbeck's application at The University of Chicago. Throughout her BSc programme, Linn has demonstrated strong academic performance, research capability, and technical skills. Her consistently high standard of work was particularly evident in her final-year project and her contributions to research.

Academic initiative: Throughout her studies, Linn has shown a natural drive to expand her technical and research knowledge beyond the standard curriculum. This was particularly evident when she chose to take on the postgraduate module COP509: Natural Language Processing alongside her regular coursework. She applied the advanced techniques from this module to strengthen her research projects, completing this additional work entirely in her spare time. This self-motivated approach to learning technical skills is exactly what we look for in students.

Research achievement: Linn's final-year project entitled "A study on bias in AI and how AI can be utilised to dismantle racial bias towards pregnant women in UK hospitals" investigated racial bias toward pregnant women in UK hospitals using AI analysis. To strengthen her technical approach, she attended MSc-level lectures and practical sessions beyond her required coursework. She used advanced computational methods to analyse a complex dataset combining both text and structured data, applying machine learning and natural language processing techniques to uncover patterns in healthcare outcomes. The significance of her findings led me to incorporate them into my own research project, "Using AI to Improve the Investigation of Factors Contributing to Adverse Maternity Incidents Involving Black Mothers and Families." Her insights have the potential to influence healthcare policy and practice, and the quality of her work earned her the *Computer Science Part C final year 2023 project prize.*

Personal qualities: Throughout her BSc programme, Linn showed she could handle complex work while being a reliable team member. She made significant technical contributions to my NIHR-funded research project and consistently helped her peers while maintaining high standards in her own work. In our research meetings, she communicated clearly and managed her time well, having prepared and delivered effective presentations of her findings.

I confidently recommend Linn Oberbeck. Her combination of technical skills and research experience makes her an excellent candidate for postgraduate study.

For any enquiries or further information, please feel free to contact me.

Kind Regards

Georgina Cosma, Professor of AI & Data Science

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