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**UNIVERSITY OF
CAMBRIDGE**

**Department of
Pure Mathematics and
Mathematical Statistics**

Postgraduate Recruitment and Admissions
University of Bristol

2nd January 2025

Dear Admissions Officers

Confidential reference: CHEUNG Yui Hin Marvil

This is a letter of recommendation for Mr Cheung's application for admission to the PhD program in Algebra (representation theory) at Bristol from October 2025. I was his Director of Studies during his undergraduate career and I now act as his Part III (Faculty) Advisor in Algebra during his Masters.

Marvil boasts a flawless record at Cambridge, with Firsts recorded in each of his undergraduate years. He was ranked 32/230 in year one, followed by 48/223 in year two and in his third year (called Part II) it was a highly distinguished 22/218. These are rankings only attained by elite students in one of the most talented cohorts of mathematics students in the world. The Cambridge system encourages strong students to take courses in some 8–10 topics and Marvil specialised in the areas of Algebra and Number Theory. Currently he is taking our taught fourth year Masters program (called Part III), which is strongly recommended as academic preparation for our doctoral program. Students typically take 5 papers in a variety of topics and also offer a supervised essay. Although not yet chosen, I am in fact the essay supervisor, and I am very much looking forward to working with Marvil on an essay on computational modular character theory. At the end of the course I confidently predict that he will get a Distinction in the June 2025 examinations.

Given his track record to date, I believe Mr Cheung has the intelligence, discipline and mathematical toolkit required to be a successful and effective research student in any research active department in the world and I recommend him to Bristol without hesitation.

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Yours faithfully,

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