

Roan Alexander James

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EDUCATION

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|---|---|
| University of Rochester
<i>PhD in Mathematics</i> | Rochester, NY
Sep 2022 – Expected 2027 |
| <ul style="list-style-type: none">• Advisor: Professor Arjun Krishan• Research: Focused on directed polymer models and the Kardar-Parisi-Zhang (KPZ) universality class. | |
| University of Sheffield
<i>Master of Mathematics (MMath)</i> | Sheffield, UK
Sep 2017 – July 2021 |
| <ul style="list-style-type: none">• Awarded the TM-Flett Prize for the highest mark in Pure Mathematics. | |

PROFESSIONAL EXPERIENCE

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| Portland Training
<i>Administrative Assistant</i> | Sheffield, UK
Aug 2021 – Aug 2022 |
| <ul style="list-style-type: none">• Managed complex datasets using Excel and coordinated customer interactions.• Promoted within 8 months due to increased operational responsibilities. | |

RESEARCH INTERESTS

Probability Theory, Stochastic Processes, Directed Polymer Models, and the KPZ Universality Class.

PUBLICATIONS & PREPRINTS

- **James, R. A.** (Expected 2026). *Convergence of Modified Partition Function to Stochastic Heat Equation with Drift*. In Preparation.

AWARDS AND HONORS

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| • TM-Flett Prize , University of Sheffield
Awarded for outstanding academic achievement in Pure Mathematics. | 2021 |
| • Best Student in Biology , High Storrs School | 2017 |

TEACHING EXPERIENCE

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| University of Rochester
<i>Graduate Teaching Assistant</i> | Rochester, NY
Sep 2022 – Present |
| <ul style="list-style-type: none">• Conducted recitations and graded for undergraduate courses including:<ul style="list-style-type: none">– Multivariate Calculus– Differential Equations– Probability Theory | |

PROFESSIONAL EXPERIENCE

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|--|--------------------------------------|
| Portland Training
<i>Administrative Assistant</i> | Sheffield, UK
Aug 2021 – Aug 2022 |
| <ul style="list-style-type: none">• Managed complex datasets using Excel and coordinated customer interactions.• Achieved two promotions within 8 months with increased responsibilities. | |

TECHNICAL SKILLS

- **Languages & Tools:** $\text{\LaTeX}$, R-Studio, Microsoft Excel.
- **Specializations:** Probability Theory, Financial Applications of Probability, Stochastic Processes.