

Henry Wise

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Education

MMath, University of York, *on-track for 2:1*

Sept 2022 – June 2026

Relevant topics: Statistical Pattern Recognition, Principal Components Analysis, Data Presentation, Quantum Theory & Quantum Information, Partial Differential Equations, Quantum & Continuum Dynamics, Vector & Complex Calculus

Skills

Technical Skills:

- **R:** Using statistical methods (e.g. Principal components analysis, Clustering, supervised / unsupervised methods) to perform analysis on large data sets, presenting general conclusions or answers to specific research questions in a statistical report.
- **MATLAB:** Modelling solutions to differential equations, writing functions to solve problems both numerically and graphically.
- **Maple:** Using functions to solve linear equations.
- **LaTeX:** Formatting assignments, projects, presentations, utilising packages and graphing functions (tikz, pgfplots)

Interpersonal Skills:

- **Leadership / Management:** Successfully led a team of 3 in starting up a new society at the start of the academic year, gaining over 55 members in under a month.
- **Communication:** Managed emails for the mathematics society over 2 years, hosting weekly emails for members along with committee updates based on recent meetings or important events. Maintained outreach and relations with other societies, while president / secretary, to mutually benefit any events / opportunities hosted by a society.
- **Presentation:** Presented a Student Life talk as a student ambassador for the mathematics department. Co-hosted the Performing Arts Showcase 2024 alongside the Technical Theatre society and Student Television. Presented a short introduction to dynamical systems in a group research project on chaos theory.

Work Experience

General Assistant, *Everyone Active - SLM*

July 2023 – Present

- Working in a team to maintain public facilities at Coral Reef Waterworld. Complying with COSHH when handling chemicals. Using radios to maintain good communication.

Maths Student Mentor, *University of York*

Sept 2024 – Present

- Assisting in the transition to university. Representing the mathematics department as a point of contact for first year students. Organising meet-ups

Mathematics Student Ambassador, *University of York*

Nov 2022 – April 2024

- Representing the mathematics department, hosting presentations about university student life to families and prospective students. Hosting tours around campus with large groups.

Casual Science Explainer, *Bracknell Forest Council*

July 2023 – Jan 2024

- Providing A-level equivalent explanations for over 90 STEM based activities. Using radios to maintain good communication. Safeguarding. Maintaining facilities at the end of the day.

Retail Host, *Legoland Windsor UK*

Jan 2022 – Dec 2022

- Opened / closed 12 stores across the park. Engaged guests, suggesting products or up-selling. Responsible for managing stock and handling cash. Assisted with cash-in for carnival games.

VIP Host , <i>Legoland Windsor UK</i>	Now 2021 – Jan 2022
<ul style="list-style-type: none"> Engaged groups over a private tour across the park. Used radios to avoid delays, maintain good communication & manage time. Responsible for safeguarding. Handling cash 	
VIP Boxes Staff , <i>Ascot Racecourse</i>	Oct 2021 – Nov 2021
<ul style="list-style-type: none"> Working in a team of 2, hosting groups of up to 30 guests. Responsible for hospitality and catering for that group over 13 hours. Handling cash in the form of tips. 	
Teaching Assistant (Volunteer) , <i>Edgbarrow School</i>	Sept 2021 – Jan 2022
<ul style="list-style-type: none"> Assisted in GCSE mathematics classes as a teaching assistant. 	

Extracurriculars & Awards

President, Voice Actors of York Society (VAYS):

- Founded and grew a brand new society, gaining over 55 members in under 2 months. Managed and ran a social media account, weekly email, and workshops.

Carbon Literacy Certification:

- Pledged to organize low-emission events for my society i.e. Avoiding use of transportation, hosting events online, locally sourcing foods.

Secretary, Mathematics Society (MathSoc):

- Managed weekly emails, organised meetings, wrote meeting minutes, allocated room bookings and assisted in social media over 2 years.

Voice Actor, Casting Call Club:

- Cast in 10 individual projects while recording and processing my audio to meet a criteria using FL-studio or Audacity over the year. Recently cast in video game simulator.

Caving and Pothole Club (YUCPC):

- Trained in single rope technique (SRT), having participated in caving trips.

Crew Member, York Student Television (YSTV):

- Credited in 10+ productions as either a sound operator / camera operator / floor manager for York Student Television.

Wentworth Taekwondo Club:

- Achieved a green belt with blue tag over 2 years with dedicated tri-weekly sessions.

Directors Choice Award:

- For guest excellence and profit oriented work as a retail host at Legoland Windsor UK.

Other Experience

Student , <i>NatWest Business & Entrepreneurship Online</i>	Oct 28, 2021
Student , <i>PwC Online Work Experience</i>	April 21-23 2021
Student , <i>Arcadis Engineering Work Experience (Virtual)</i>	March 15 2021
Student , <i>UBS Finance Outreach Session</i>	March 8 2021
Student , <i>Insight to Amazon - B&M Business & Economics Division</i>	March 5 2021
Student , <i>Mathematical Modelling Webinar, University of Nottingham and East Anglia</i>	March 11, 2020

Interests

Strong passion for applied mathematics all the while providing excellent service. I'm currently particularly interested in quantum theory and statistical data analysis as I enjoy applying the skills that my university course has helped me develop to online data sets or problems. In my spare time, I have been voice acting for various projects over the past year. I enjoyed contributing to many different creative projects that I decided to start my own society for voice acting. Recently, I'm proud to have been cast in a video game simulator.