

# XENDE RIVERO BOWERS

## CONTACT



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## CORE QUALIFICATIONS

- **Game Design:** I have extensive experience with both Unity and the Unreal Engine, including designing and programming games, as well as debugging.
- **Coding:** I am fluent in the programming languages: C, C++, C#, Python, Java, JavaScript, Haskell, SQL, and LaTeX. I also have experience with HTML, including HTML5.
- **AI:** At Durham University, I studied Artificial Intelligence, and have considerable experience using AI text and image generators, such as ChatGPT, Midjourney, and DALL-E 3.
- **Maths:** For my degree I studied various areas of mathematics in great depths, including linear algebra, calculus, dynamics, probability and statistics.

## INTERESTS

- **Classical Guitar:** I have been playing the guitar since I was a child, and have studied it up to Diploma level.
- **Quizzing:** I was a member of the Durham University Quiz Society, and was part of my college quiz team.
- **Literature:** I love reading, and I am a member of several book clubs.
- **Gaming:** I have been playing video games since my early teens, from a wide variety of genres and styles.
- **Tutoring:** I have occasionally worked as a freelance tutor. During lockdown, I tutored both of my younger siblings for their A-Level exams.

Graduate from Durham University, with a First Class (Honours) degree in Computer Science and Mathematics, and diploma-level classical guitarist. Interests include game development and design, data science, and AI. Currently doing a PhD in number theory at Durham University.

My portfolio is at <https://xende-rivero-bowers.github.io/portfolio/>

## EDUCATION

2023

**MSci Computer Science and Mathematics**  
**University of Durham**

- Graduated with a First-class (Honours)
- Awarded the Outstanding Achievement in Natural Sciences twice for exceptionally high marks
- Studied modules in Game Development, as well as AI and Data Science

2018

**DipLCM**

**London College of Music**

DipLCM in Classical Guitar (Distinction)

**A-Levels**

**Homeschooled**

- Mathematics - A\*
- Further Mathematics - A
- Physics - A

**GCSES**

**Homeschooled**

Six GCSEs at grades A - A\*

**Graded Examinations**

**London College of Music**

Classical Guitar Grades 1-8 (Distinction in all of them)

## EXPERIENCE

October 2022 - Current

**Mathematics Marker *Durham University***

- I work in the Durham University Mathematics Department marking homework for several first-year and second-year modules, including Complex Analysis, Analysis in Many Variables, Algebra and Probability.

November 2022 - Current

**Fact Checker *NumberPhile***

- Whenever Numberphile work on a video, they upload an early version to the Numberphile Society Facebook group, where it is my job to go through the video and check for any mathematical errors.

October 2021 - June 2023

**Computer Science Demonstrator *Durham University***

- I worked in the Durham University Computer Science department for second-year practical sessions, where I helped any students who needed assistance with the course.

September 2019 - June 2023

**Assistant Librarian *St. Cuthbert's Society***

- I worked at the library desk, checking out any books that students borrowed and organizing any returned books.

November 2021 - June 2022

**Mathematics Representative for Natural Sciences *Durham University***

- As a Maths representative for the Natural Sciences department, I liaised between the students and teachers, gathering feedback on the modules and passing on any complaints to the appropriate individuals.

October 2021 - June 2022

**Library Stock Manager *St. Cuthbert's Society***

- I was responsible for checking and ordering stock, maintaining the library equipment, and helping with social events.