

# Luna Lamb

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<https://lambxx.github.io>

As a dedicated computer science student and private tutor, I bring a proven track record of success to the table. My recent accomplishments include winning the 2023 Social Statistics Hackathon, achieving an impressive 100% in my Industry and Community engagement module, as well as 95% in my Algorithms and Data structured module, and setting a record for the fastest intern code going live at the Information Services Group at the University of Edinburgh.

With a stellar academic background (A\*AA at A level) and a history of tutoring numerous A-level students to exceed expectations, my ability to consistently outperform expectations is well established. I have a deep passion for learning and thrive on adapting to challenges. My diverse range of experiences, both in the academic and personal realms, sets me apart from other candidates.

## EDUCATION

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### Manchester Metropolitan University

**BSc, Computer Science with placement (ARM Ltd.)** *Grade Average at present 1st*

**Sept 2023-June 2026**

*Modules to be completed this (penultimate) year:*

Algorithms and data structures (95%), Networks (78%), Industry and community engagement (100%), Ethical Hacking, Operating systems, Software development,

*Years 1 and 2 at the University of Edinburgh*

Modules in object-oriented programming (Java), Functional programming (Haskell), Mathematics, Data Science (Pandas/Seaborn/Python), Machine Learning (PDDL), Algorithms and data structures (Python), Computer Systems (85%) (C, MIPS) and Software Engineering (Java)

Outside modules: Introduction to Gender in the Contemporary World, Queer Studies (82%)

### Varndean College

**Sept 2017 – May 2019**

**A-Levels:** AAA\* in Maths, Computer Science, and Photography.

### Dorothy Stringer School

**Sept 2013 – June 2017**

**GCSEs:** 9 GCSEs (Equiv. 2A\*, 3A, 4B) including A\* in Maths, A in Computer Science, B in English.

**Free Standing Maths Qualifications:** A in Further Maths, B in Advanced Additional Maths.

## WORK EXPERIENCE

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### ARM Ltd.

**July 2024– July 2025**

**Software Engineering Intern (12 Month placement tbc.)**

### Format Coffee Brighton

**Aug 2022 – Sept 2023**

**Manager**

### Information Services University of Edinburgh

**May 2021 – Sept 2021**

#### Web Development Intern

- Worked independently to implement the backend PHP/jQuery project.
- Worked with a large team in an agile methodology.
- Assisted in time-sensitive implementation of the testED website project.
- Independently completed LinkedIn learning modules to assist in training.

### Private tutor

**June 2018 – present**

- Delivered over 400 hours in Mathematics and Computer Science tuition, with all lessons rated five stars by students.
- Managed the stress and anxiety of parents and students leading up to exams.
- Adapted teaching styles to meet the needs of students from primary to A-Level.

## Varndean College

### Learning Coach for Mathematics

Sept 2019 – May 2020

- Supported Students on a 1:1 basis, managing queries and concerns relating to exam material and exams.
- Collaborated with all staff members within the mathematics department to effectively aid them.
- Understood and applied professional practices and safeguarding in a sixth-form college environment.

## SKILLS

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**Programming languages:** C#, C++, Java, Haskell, Python, PDDL, MIPS and C (university); PHP, Java and jQuery (Internship); Visual Basic (A-Level); Ruby (GCSE); HTML and CSS.

**Tools:** Drupal, Jupyter, Microsoft Office suite, Git and GitHub, WordPress/

**Interests and Areas of Study:** Data Science, Software Engineering, Human-Computer Interaction and Ethical Practices.

## PROJECTS

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*This is only a selection of my projects. All projects are available to view on my GitHub.*

### CircleSort

Complex and artistic visualisation of sorting algorithms, using graphics written in C++ using the OpenFrameworks Library

### Cisco certified support Technician Networking

I have passed my CCST accreditation in networking.

### Carbon footprint calculator

Led a small team, as part of university coursework, following an Agile Scrum methodology, to implement and plan a Web based carbon footprint calculator.

### XSS developer resource

Online website to educate on XSS web vulnerabilities, with interactive demo site.

### Social Statistics Hackathon 1<sup>st</sup> place

I participated in the Social Statistics Hackathon hosted by the Department for Social Statistics at the University of Manchester. I took 1<sup>st</sup> place, with my presentation on education disparities using Pandas and Jupiter.

### Impact of GPT

I am passionate about education, and I am currently working on a project to explore the impact of LLM's on the environment, thinking about how we can use data science to educate and empower. This Ongoing project allows me to keep being involved with data analytics.

### Linked-In Learning Courses

Completed a wide range of LinkedIn learning courses, all available to view on my LinkedIn accessible from my website. <https://lambxx.github.io>

### Data Science Paper

Created a complete data science report following the structure of an academic paper. Using Pandas/Seaborn in Jupyter for the statistical analysis and visualisation.

### Modelling CPU

I used the C To model the CPU, achieving a near 100% mark, aiding my overall 85% grade in computer systems.

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