

# Alba Navarro Rosales

## learn. explore. create.

Computer Science student at the University of Cambridge  
interested in Computer Graphics, Software Engineering, App  
and Web Development, Interaction Design and UX.

### Education

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#### **BA (Hons) Computer Science – Newnham College, University of Cambridge**

October 2019 – present. (*Graduation year: 2022*)

*Relevant courses:*

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|--------------------------------------|--|
| - Object Oriented Programming (Java) | - Interaction Design                   |
| - Introduction to Graphics           | - Algorithms                           |
| - Foundations of Computer Science    | - Software and Security Engineering    |
| - Discrete Mathematics               | - Machine-Learning and Real-World Data |
| - Mathematical Methods               |  |
| - Introduction to Probability        |  |

#### **A-Levels and IGCSEs –**

##### **The British School of Córdoba**

September 2004 – June 2019

**A-Levels: A\*A\*A\*A\*A\*B** - Computer Science, Mathematics, Further Mathematics, Physics, Spanish, Art and Design.

- **AWARDS:** CIE Highest Grade in Spain for Computer Science and Physics AS Levels (June 2018).

**IGCSEs: 7 A\*s, 3 As.**

- **AWARDS:** CIE Highest Grade in Spain for Co-ordinated Sciences IGCSE (June 2017) and CIE High Achievement for Music IGCSE (June 2016).

### Projects & Experience

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#### **Participated in Google Hash Code 2020** (February 2020)

Presented a solution to a software engineering optimisation problem using Python. Finished 2218 out of 10724 globally. Code [here](#) (GitHub)

#### **Relevant coursework:**

- Implementation of several sorting algorithms as well as algorithms on data structures in both Java and Python (Algorithms course)
- Implemented a ray tracing algorithm in Java, and a rasterization pipeline in Java using OpenGL (Introduction to Graphics)

#### **Personal website: [albanr.com](#)** (March 2020)

Created my own website using HTML and CSS. Code [here](#) (GitHub)

#### **Hack Cambridge Hex – Head of Design** (April 2020 - present)

Head of Design for the sixth edition of Cambridge's biggest hackathon.

Creation of brand, logo, and web design. Member of the development team.

### Links

[alba.navarro.ros@gmail.com](mailto:alba.navarro.ros@gmail.com)

[albanr.com](http://albanr.com)

[github.com/Alba-NR](https://github.com/Alba-NR)

[linkedin.com/in/alba-nr/](https://linkedin.com/in/alba-nr/)

### Skills

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#### **Programming**

Java

Python

OCaml

HTML

CSS

#### **Tools**

Git

### Languages

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English

Spanish

French - DELF B2 91% (Feb 2019)

### Other Skills

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**Scout** – Team and leadership skills.

Experience in developing and conducting team projects. Tackling new challenges, problem solving. Perseverance.

**Debate** – Successfully participated in academic debate tournaments.

Analytical and critical thinking, good communication skills and teamwork.

**Music** – Creativity and dedication.

#### **Professional Music Qualification**

**for Flute** (Professional Music

Conservatoire, Córdoba- September 2009 – June 2019)

#### **Art and Graphic Design –**

Illustrator for the Cambridge University Varsity Newspaper.

**Badminton** – Newnham team player for the intercollegiate league.

#### **Volunteered at Hack**

**Cambridge 101** (January 2020)