

# Raúl Lozano Martín

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## EDUCATION

**The University of Manchester** (2015-2019, UK)  
BSc (Hons) in Software Engineering with Industrial Placement, Predicted GPA: First Class (Hons).

Relevant modules include: Algorithms & Imperative Programming (88%), Distributed Computing (84%), Fundamentals of AI (83%).

Bachelor Thesis: RNA folding using propositional solvers.

**Colegio Agustinos Recoletos** (2013-2015, Spain)  
Cum Laude Graduate, Selectividad's grade: 12.5 / 14

### Online Courses

Machine Learning - Stanford (Coursera).

Probability and Statistics - Stanford (Lagunita).

Discrete Optimisation - Melbourne (Coursera).

## WORK EXPERIENCE

### Skyscanner - Software Developer Intern

Edinburgh, UK (June 2017 - August 2018)

- Part of the team in charge of Skyscanner's search controls and results page.
- Developed microsites and node servers to support front and back end functionality.
- Build new frontend codebase and scaled through component driven development.
- Deployed large scale systems in AWS.

## PROGRAMMING

**JAVA** – Advanced (continuously used during degree).

**C** – Advanced (used for the 'Algorithms and Imperative Programming' second year module).

**JS/React/Nodejs** – Advanced (used during industrial placement year as a web developer).

**Python** – Intermediate (used for independent projects and back-end during industrial placement year).

**Bash** – Intermediate (used as underlying OS for tools like Docker).

## LANGUAGES

**Spanish** - Native (ILR level 5).

**English** - Fluent (ILR level 4).

## PROJECTS

### Bananamole.com

*Co-founder, Lead Developer*

(Since 2016, UK)

- Provides a solution for students wishing to teach, learn and share knowledge.

### HFCrypto

*Co-founder, Developer*

(Since 2017, UK)

- A deep-learning cryptocurrency trading algorithm written in Python (Tensorflow).

### GainerLoserTrader

*Founder, Developer*

(Since 2017, Spain)

- Heuristic algorithm which analyses behaviour of best and worst cryptocurrencies (by earnings) at high frequency and simulates trading them in a virtual sandbox.

## HACKATHONS

### Great Uni Hack

*University of Manchester*

(Winter 2015, UK)

Developed what later would become Bananamole.

### HackLondon

*University College London*

(Spring 2016, UK)

Developed the routesearcher travelling tool, with a data scientist from the University of Texas.

### Hackkings 3.0

*Kings College London*

(November 2016, UK)

Created a website to give Shazam cross-platform capabilities so that it can be used on any device.

### StudentHack

*University of Manchester*

(Spring 2016, UK)

Started the development of HFCrypto's algorithm.

### HackUPC

*Universitat Politècnica de Catalunya*

(October 2018, Spain)

Winner of Amazon's AWS Educate challenge.

Implemented a platform which provides a way to connect and organise people willing to help to a city's needs after a disaster.

## INTERESTS

**Literature** - Avid reader. A list of all the books I have read or am currently reading can be found on my personal website.

**Music** - Member of various small bands as a guitarist.

**Debate** - Member of debating societies at university and at high school, specifically interested in politics.