

Daniel Leboff

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EDUCATION

- **Trinity Hall, University of Cambridge** Cambridge, United Kingdom
Bachelor of Arts - Computer Science 2020 - 2023
Courses: Algorithms, Discrete Mathematics, Databases, Object-oriented programming, Machine Learning, Data Science, Semantics of Programming Languages, Compiler Construction, Logic and Proof, Artificial Intelligence, Formal Models of Language
- **JFS School** London, United Kingdom
• **A Levels** 2018-2020
Mathematics - A, Further Mathematics - A*, Physics - A*, Computer Science - A**
- **JFS School** London, United Kingdom
• **GCSEs** 2013-2018
8 9s, 2 8s, 1 A + A in Free Standing Maths Qualification*

SKILLS

- **Languages:** Python, Java, SQL, TypeScript, C#, OCaml, Prolog
- **Frameworks:** React Native, Unity3D
- **Tools:** GIT, MySQL, MS SQL, REST API

EXPERIENCE

- **Softwire** London, United Kingdom
Software Developer Intern July 2022 - August 2022
 - **React Native application:** Co-developed a react native application for a turtle conservation charity in Kenya
 - **REST API:** REST API for communication between client and server
- **Permutable Technologies** London, United Kingdom / Remote
Data Science Intern July 2021 - September 2021
 - **NLP document analysis:** Designed and developed an algorithm using NLP packages to analyse and grade the sustainable nature of companies to aid prospective investors
- **Trinity Hall, University of Cambridge** Cambridge, United Kingdom
JCR Webmaster February 2021 - March 2022
 - Maintained and enhanced the JCR website, resolved issues with and ran the college's accommodation balloting system. Participated in regular meetings with senior college figures.

PROJECTS

- **Android application - Killer Sudoku game:** An application involving the generation of a Killer Sudoku, a test using constraint satisfaction and backtracking to ensure there is a unique solution, and a front-end to display the sudoku in a minimalistic UI. Tech: Java, Prolog, Kotlin, Firebase (January 2022 -)
- **Safe-Building Engineering Team:** Project-managed a national safe-building competition entry, involving the design, documentation, development and testing, and presentation of a safe. (2019)
- **Android applications - Unity3D games:** Two applications developed using Unity3D and C#, released on the Google Play Store. (2016, 2018)

COMPETITIONS

- Hack Cambridge 2022
- Reply Challenge 2019/20
- Google CodeJam 2017/18/19
- CodeChef Snackdown 2019
- CodeFights Polyglot Marathon 2017

HONORS AND AWARDS

- British Mathematics Olympiad - Certificate of Distinction 2018

INTERESTS

Rugby Fives (University team), Tennis (College captain), Football (College team), Coxing (College crew)