

JUDE HILL

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EDUCATION

University of Cambridge, Computer Science Tripos (BA)

2023 — present

- Part IA - Class I
- Recipient of a Carruthers Award for Computer Science from Jesus College
- Modules: OOP, Algorithms / Data Structures, Databases, Graphics, Operating Systems, SWE/Security, Machine Learning, Hardware, Discrete Maths

Queen Elizabeth's School, Barnet

- 4 A* at A Levels in Mathematics, Further Mathematics, Economics and Physics

PROJECTS

PokerSim

- Building a full-stack Android app for users to play online Poker
- React Native used for frontend, with a SpringBook API for backend.
- Coded in Java and TypeScript

Weather App (Verticast)

- Group project which built a weather app marketed at climbers.
- Built with React Native (frontend) and Python (backend).
- Weather data taken from online API (open-meteo.com)

WORDLE solver

- Python program using information theory to solve the Wordle puzzle.

EXPERIENCE

Mentor, Apply: Cambridge

Jul 2024 — Present

Mentor for prospective Cambridge applicants for Computer Science

- Advise them on projects to do to strengthen their application and improve their subject knowledge
- Asses their Personal Statement drafts and give feedback on how to improve them
- Host biweekly mentoring meetings with them to talk about the application process and answer their questions.
- Prepare candidates for admissions assessments and interviews.

Private Tutor, FirstUK tutors

Jul 2024 — Present

- Tutor for A level and GCSE Mathematics and Computer Science
- Conduct weekly sessions, going through past exam papers and subject content

SKILLS

- Code: Java, JavaScript/TypeScript, Python, OCaml
- Tools: React, React Native, NumPy, Pandas, SpringBook, SQL

ACHIEVEMENTS

Carruthers Award for Computer Science

2024