

JUDE HILL

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EDUCATION

University of Cambridge, Computer Science Tripos (BA)

2023 — present

- Part 1A: Class I
- Recipient of a Carruthers Award for Computer Science (2024)
- Expected graduation: Summer 2026
- Modules: Data Structures / Algorithms, Graphics, OOP, Databases(SQL), Security/SWE, ML

Queen Elizabeth's School, Barnet

2016 — 2023

- 4 A* at A levels in: Further Maths, Maths, Economics, Physics

PROJECTS

PokerSim

- Full-stack Android app which enables multiple users to play online poker.
- Built with Java (backend) / React Native (frontend)
- Java API built with SpringBoot

Weather App (VertiCast)

- Group project: built a weather app for climbers
- Used Python (backend) / React Native (frontend), Node.js
- Weather data taken from online API (open-meteo.com)

Wordle Solver

- Python program which uses information theory to give optimal WORDLE guesses

EXPERIENCE

Apply Cambridge Mentor, Cambridge

Jul 2024 — Present

Mentor to prospective Computer Science students at Cambridge University

- Advise them on how to prepare for interviews / assessment
- Read Personal Statement drafts, and comment on how to improve them
- Suggest good projects / courses to undertake to improve their skillset

Tutor, FirstUK Tutors

Jul 2024 — Present

- Private A Level tutor for Physics, Mathematics and Computer Science

SKILLS

- Code: Python, Java, JavaScript / TypeScript
- Tools: React, React Native, Node.js, SQL

ACHIEVEMENTS

Carruthers Award in Computer Science

2024