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AliMurtaza.dev

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EDUCATION

Pok Fu Lam, Hong Kong	The University of Hong Kong	September 2019 – May 2023

- Bachelor of Engineering in Computer Science - Full Scholarship for 4 Years - CGPA 3.84/4.30.
- Dean's Honours List for the academic year 2019-2020.

Cambridge Examinations

- Straight 9 A* in Cambridge O levels.
- Straight 4A* in Cambridge A levels (Math, Physics, Chemistry and Economics).

College Board

- A full score of 2400/2400 in SAT Subject Tests (Math level II, Physics and Chemistry)

PROJECTS
See more at AliMurtaza.dev

	StudentBase.app	January 2020 - Present

- Added a feature to the GraphQL API to fetch all incorrect question attempts of users.
- Designed and developed a page to show the above data so the user can analyse their weaknesses. (React, Typescript, Graphql, Apollo Client).
- Modified authorization rules to enable site admins to securely access past paper attempts of all users so that they can analyse user behaviour (GraphQL, Apollo Server).
- Wrote tests for authentication, authorization and output for the above using jest.

User Interactive Forum

- A full stack development project using react at front-end and express js at backend to provide a platform for users to interact with each other and find answers to their queries.
- Created registration and login pages in order to customize user experience and allow them to retrieve their stored data.
- Added several features such as routing, searching and filtering questions on the basis of their categories or by entering certain keywords and allowing users to delete their questions or answers.

Invincible AI Player

- Created a 3-Board Notakto Game (which is also known as an impartial variant of Tic Tac Toe) using python. Unlike Tic Tac Toe, there will always be a winner in this game.
- This also includes a designed Invincible AI Player which is almost impossible to beat.
- AI player quickly responds to every opponent move within the time frame of 0.02 seconds.

WORK EXPERIENCE

	First Code Academy	June 2020 - August 2020

- Worked in First Code Academy as a STEM instructor for a span of 3 months, teaching coding to children of age 6-18 .

SKILLS AND TECHNOLOGIES

- **Core:** Typescript, JavaScript, Python, C, C++, Java, PHP, SQL
- **Web & Database:** React, GraphQL | MySQL, MongoDB

ADDITIONAL

- Initiative of cultural exchange through video interviews of International Students at Chi Sun College.
- Formerly: School Head Boy, House Captain and Vice President English Society.