

ZAIN MOBARIK

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EDUCATION

University of Warwick, 2021 - 2024

- BSc Computer Science, Predicted 1:1

Dr Challoner's Grammar School, 2014 - 2021

- A-Levels: Mathematics (A*), Computer Science (A*), Philosophy (A) and Further Mathematics (A)
- GCSEs: Eight Grade 9's, one A and A* with distinction in Further Mathematics

WORK AND LEADERSHIP EXPERIENCE

Butterfly. - Co-Founder/CTO, November 2021 - Present [<https://apps.apple.com/gb/app/butterfly/id1640868808>]

- Finished first-stage development and published "Butterfly." to the App store and Google play store.
- 2000+ total app downloads. Secured business partnership with local restaurants to offer discounts to users.
- Increased team size from 3 to 17 members with 8 software developers.
- Valued at £1 million, with funding from an angel investor.

Janus Digital - VC Summer Analyst, June 2022 - Present

- Gained exposure to the workings of an early stage Web3 Venture Capital.
- Participated in deal flow analysis, due diligence, corporate outreach and partnerships as well as market research.

Jane Street - Spring Week (Software Engineering), Apr 2022

- Gained an understanding of the working of their quantitative proprietary trading models and ETF specialisation.
- Deep dive into the OCaml language, learning about its use cases and coding a snake game.
- Came 3rd in the Electronic Trading Competition in which we had to program our own trading bots.

BlackRock - Spring Week (Aladdin SWE), Apr 2022

- Understood the various divisions of BlackRock and how they function together. Focused specifically on the workings of Aladdin and how it deals with Index reconstitutions and helps with portfolio management.
- Shadowed a software engineer analyst in the Aladdin Product Group Division.
- Participated in a financial tech and portfolio management challenge presenting our ideas to a board of analysts.

Spemmo - Expansion Intern, Dec 2021 - March 2022

- Fintech payments and spend management company that works with SMBs and has raised over \$120 million from top-tier investors including Tiger Global, YC, Insight Partners, and Addition Capital.
- Re-designed and automated large parts of the recruitment strategy as well as contacting, outbounding and conducting first-stage interviews with potential employees.

COMPETITIONS AND PERSONAL PROJECTS

JP Morgan - Code for Good (1st Place), Oct 2022

- 24 hour coding completion for a charity. We were the winning team and our solution will be fully made by JP Morgan software engineers.
- We made a social media for DeafBlindUK using Flutter, Dart, Firebase and Microsoft Describe API.

Command-line Text Editor - Personal Project (C), Jan 2022

- Using command-line, I created my own command-line editor for file manipulation using functions such as realloc() and getLine() and handling the memory management in C.

Datathon - Warwick Data Science (1st Place), Oct 2021

- Our team won a data science Hackathon in which we implemented a Naive Bayes model to classify our data.
- The dataset we analysed using Pandas, NumPy and Scikit-learn was of previous Olympic medalists and we had to justify what attribute we thought makes someone win a medal (height, weight, nationality etc.)

Warwick AI Society - Computer Vision Project, Sep 2021 - March 2022

- Selected as part of a team to develop a shopping receipt analysis app involving computer vision, text extraction using an API, optical character recognition, models to classify the data as well as times series forecasting to predict user shopping trends.

Ancient Combat - Personal Project, July 2020 - March 2021

- Developed a street-fighter game in Python using Object-Oriented Programming and the Pygame library.
- Created a database in SQL to log the user's scores and display the top 5 on the leaderboard.
- Implemented collision detections and reality-based projectile motion as well as AI to underpin game difficulty.

SOCIETIES

Warwick Finance Society - Head of Fintech, Oct 2021 - Present

- Coordinate weekly presentations/speaker events on blockchains, digital payments and cryptocurrencies.
- Organising workshops on software development skills relevant to FinTech.

SKILLS

- Python, Java, C, Flutter, Web Dev (HTML, CSS, JavaScript), TensorFlow, Pandas, Keras, Adobe XD