

Eric Huang

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🌐 ericyrhuang.com

Education

University of Oxford, United Kingdom

2023-2027

- MMathCompSci Mathematics and Computer Science
- Grade: 1st class
- Activities: Oxford Entrepreneurs (committee), Computing Society, Math Society, Oxford Union, Ultimate Frisbee, Alternative Ice Hockey, Taiwanese Student Society (committee)

International Bilingual School at Hsinchu Science Park (IBSH), Taiwan

2021-2023

- President of Math Club
- Asia Pacific Math Olympiad (APMO) qualifier
- Taiwanese Math Olympiad (TMO) qualifier
- Taiwan Economics Olympiad (TEO) Bronze Finalist (Top 16)
- 12 x AP 5s

Stuyvesant High School, New York, USA

2019-2021

- New York City Math Team
- Stuyvesant Math Team
- AIME qualifier x3

Experience

Software Developer Intern, Ariya Finergy Ltd.

July 2024 - September 2024

- Created an app to help size solar and battery models accurately for business development team.
- Developed performance analytics tool for maintenance team, catching underperforming devices.
- Improved controller communication speeds by 5x, from 25s runtime to 5s.

Machine Learning Intern, Ubiik Inc.

August 2023 - September 2023

- Readied prototype app for production.
- Created a data-processing pipeline to clean and sort dataset
- Trained new robust OCR models using Tensorflow to read electric meters LCD screens.
- Integrated prototype app with parent app to create a seamless user experience.

Android App Developer Intern, Ubiik Inc.

June 2022 - September 2022

- Created a prototype Android App automating the process of reading analog electricity meters
- Embedded machine learning models to identify and key in analog meter dial readings
- Reduced the time required by a factor of 10 while increasing accuracy to 98%

Skills and Languages

- Python
- Haskell
- Scala
- Kotlin
- Java
- Lean
- English - Bilingual Proficiency
- Chinese - Bilingual Proficiency
- Hokkien - Limited working proficiency