

William Purvis

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EDUCATION

MPhil Data Intensive Science | University of Cambridge

Cambridge, UK
Sep 2023 – Current

- Modules in scientific computing, C++, advanced statistics, & applied Data Science

BSc (Hons) Chemistry | University of St. Andrews

St. Andrews, UK
Sep 2018 – Jun 2023

- Achieved 1st Class degree
- Prize for best dissertation in Physical Chemistry: Computational evaluation of k_{RISC} in OLEDs
- Dean's List for academic excellence (2018-2019, 2020-2021, & 2022-2023)

Chemistry with Data Science | University of Hong Kong (HKU)

Hong Kong, HK
Sep 2021 – Dec 2021

- Completed team project analysing COVID-19 mutation rates from genome database

A-Levels | Wellington College

Crowthorne, UK
Sep 2016 – Jun 2018

- AAAA in Chemistry, Biology, Physics, & Mathematics
- Represented UK at the International Chemistry Tournament (ICHTO) in Moscow
- Gold in Chemistry Olympiad (2018) & Chemistry subject prize in year 13
- Oxford Medical Essay Prize (2017)

IGCSEs | International School of Geneva, La Châtaigneraie

Geneva, CH
Sep 2011 – Jun 2016

- 11 IGCSEs (8A* & 3As) including computer science & web-design
- Honour roll with excellence (years 10 & 11) & highest achievement award in year 11
- Represented Ukraine at the Student League of Nations at the UNOG

PROFESSIONAL EXPERIENCE

Machine Learning Researcher | University of Toronto (Aspuru-Guzik group)

Toronto, CA
Jun 2023 – Aug 2023

- Completed MIT 6.036: Introduction to machine learning
- Developed [ML models](#) to predict optical properties and quantum energies of TADF molecules

Business Analyst | R-SAMi (Start-up)

Palma, ES
Feb 2022 – Sep 2022

- Analysed business requirements of last-mile companies to identify operational challenges & propose solutions
- Lead communication in English & Spanish between product manager & development team
- Represented R-SAMi at the BBVA Open Innovation Summit (Madrid)

Pension Fund Analyst (Private Equity) | CERN

Geneva, CH
Jun 2021 – Jul 2021

- Analysed PE investment portfolio of CERN Pension Fund (4.8 bn CHF AUM)
- Authored report on fund performance for investment committee
- Optimised portfolio management system

EXTRA-CURRICULAR ACTIVITIES

Vice President | The Carnegie Club of St Andrews

St. Andrews, UK
Mar 2020 – Jun 2023

- Responsible for club logistics, coordinating debates, & speaker events
- Supervised & executed website deployment project

Director | TEDx St Andrews

St. Andrews, UK
Oct 2019 – Jun 2021

- Led team of 15 students to organise the 2021 TEDx St Andrews conference
- Coordinated the logistics, finances, & speakers with the support of the TEDx team for a 2000+ attendee conference

TEFL English Language Teacher | Winnerway School

Dongguan, CH
Jun 2019 – Jul 2019

- Taught English to class of 47 primary school students for a month
- Gained TEFL certification

Additional skills & Interests

IT skills: Python (numpy, pytorch, scikit-learn, pandas), C++, linux, JIRA, Agile (Scrum & Kanban), MS suite (proficient)

Languages: English (mother tongue), French (fluent), Spanish (business proficiency)

Hobbies: Snowboard coach, Cambridge University Polo Club, Kitesurfing, Swiss scout for 7 years