

Education

Imperial College London *1st expected in MEng Civil Engineering*

Sep 2018 – June 2022

- Achieved top 15% of the cohort with strong A grades in Project Management, Computing, Design and Business modules
- Presented in journalistic media interviews, e.g., a [Telegraph cover story](#) on staying motivated in University during Covid

Concord College *A*A*A*A in A-levels and 11A* in GCSE*

Sep 2014 – June 2018

- Appointed as Head Prefect and Academic Scholar (ranked 5th) with 6 Gold awards in Olympiads and Challenges
- Awarded Vinspired V50 for an [initiative raising £6000](#) that provided 105 children in Gambia 2 years of education

Experience

Harlow Design Ltd *Co-founder and Web Designer*

Sep 2020 – Present

- Rejuvenated clients' online profile with [modern designs](#) using Wordpress, SEO, e-Commerce platforms
- Inspired tailored solutions, e.g., a COVID-secure strategy that generated £7,000+ for the client in 4 months

Geared Consulting Partnerships *Part-time Consultant*

June 2020 – Present

- Developed Excel templates to accelerate building control reports writing using VBA Macros
- Delegated Eurocodes compliant engineering designs for 3 [residential projects](#) using Trimble and AutoCAD
- Achieved optimal structural utilisation (80% of capacity) using detailed hand calculations and Tedds

BWB Consulting *Civil Infrastructure Engineer (internship)*

July 2019

- Devised [technical design, drawings and details](#) for DP World using Civil 3D for drainage, levels, earthworks
- Optimised drainage performance analytically in 100-year storms using advance MicroDrainage models
- Corresponded site inspection and reported risk mitigation solutions to the contractor on-site

Extracurricular

Imperial College Engineering Change *Vice Chair of Comoros Project*

Jan 2020 – Present

- Founded [Comoros Project](#), working for a local NGO to design and construct a 30m x 20m education facility
- Established 3 teams - technical design and delivery, liaison with stakeholders, and marketing for fundraising

Imperial College Rail and Transport Society *President*

Sep 2019 – Present

- Secured £450 sponsorship and boosted memberships by 250% through refreshed branding and 3 new partnerships
- Volunteered for Ffestiniog Railway's depot upgrade works to develop collaborative on-site practical skills

Outreach Volunteering *Teaching Assistant and NHS Responder*

Jan 2019 – Present

- Led [100+ hours of tutoring](#) and masterclasses for state-school students using creative learning techniques
- Operated medical supplies transport and non-clinical support for front-line workers and the community

Projects *group projects denoted with **

Corporate Finance* Harmonised the arguments behind companies in the aviation industry hedging out fuel price risks

Object-orientated Programming Analysed the 2D plastic collapse using finite element method on a system of PDEs

ABAQUS FE Analysis* Simulated the [3D linear buckling](#) (LBA) of a thin-walled beam with imperfections (GMNIA)

Statistical Analysis Defined multivariate distributions and hypothesis tests for hydrology relations in flood management

Project Management Explained the enterprising success of the risk management framework of London 2012

Skills

Technical MS Office, MATLAB, WordPress, AutoCAD, Civil3D, ABAQUS, Python, \LaTeX , Trimble, Tekla Tedds, Rhino3D