

Jade Low

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in [jade-low](#)

This is a general version available from my website. Tailored CV is available on request.

🎓 Education

- Imperial College London** *First class honours expected in MEng Civil Engineering* Sep 2018 – June 2022
- > Placed top 15% of the cohort and selected as Undergraduate Teaching Assistant for Computational Methods.
 - > Chosen for journalistic media interviews, e.g., a [Telegraph cover story](#) on staying motivated in University during Covid.
- Concord College** *A-level: A*A*A*A with 99% in Maths | GCSE: 11A* with 99% in English* 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 that raised £6000](#), funding 2 years of education for 105 children in Gambia.

👜 Professional Experience

- Mott Macdonald Cambridge, UK** *Summer Intern* July 2021 – Sep 2021
- > Screened 58 strategic resource options for a [£1bn Anglian project](#) through feasibility and bottom-up costs analyses.
 - > Optimised reservoir designs iteratively using Excel VBA Macros (while loop), reducing project cost by £200m+.
- Ernst & Young (EY) London, UK** *Summer Intern* July 2021
- > Collaborated in a team of 6 on a strategic tax compliance project for a multinational hospitality business.
 - > Examined risks related to changing UK-EU legislations, financial recovery from COVID, and applications of technology.
- Harlow Design Ltd Braintree, UK** *Co-founder: Web Design & Finance* Sep 2020 – Present
- > Inspired tailored [modern designs](#) using WordPress, such as a solution that generated £7,000+ for the client in 4 months.
 - > Gained familiarity with CSS styling, interactive JavaScript functions and technologies such as API, SEO, e-Commerce.
- Proprep London, UK** *Business Marketing Team Lead* July 2020 – Present
- > Accelerated EdTech's presence in the UK student through strategic positioning and targeting on 10 focus universities.
 - > Negotiated partnerships with organisations to enhance engagement with 500,000 users via creative media activities.
- Geared Consulting Partnerships London, UK** *Part-time Consultant* June 2020 – May 2021
- > Developed Excel templates (using VLOOKUP, MATCH, INDEX, IF functions) to produce code-compliant calculation reports.
 - > Delegated site inspections for [residential projects](#) and reported risk mitigation solutions to the contractor on-site.

🎨 Extracurricular Activities

- Imperial College Engineering Change** *President of a society with 300+ members* Jan 2020 – Present
- > Managed 3 project teams, each includes technical design delivery, stakeholders liaison, fundraising marketing.
 - > Founded [Comoros Project](#), working for a local NGO to design and construct a 30m x 20m education facility
- City & Guilds Union Rail and Transport Society** *Chair 2019-2021, current Vice Chair* Sep 2019 – Present
- > Secured £450 sponsorship and 5 new partnerships through strategic planning, which expanded membership by 250%.
 - > Volunteered for Ffestiniog Railway's depot upgrade works to develop collaborative on-site practical skills
- Outreach & Volunteering** *Maths Teaching Assistant and NHS Responder* Jan 2019 – Present
- > Led [100+ hours of tutoring](#) sessions using creative learning techniques, seeing students improve by 3+ grades.
 - > Operated non-clinical supplies transport for the community and NHS vaccination site support for 6 months.

🏠 Projects group projects denoted with *

- Hydrological Data Statistical Analysis** Fitted multivariate distributions to investigate rainfall and temperature relationship in 5 years of daily hydrology data and applied hypothesis tests justifying suitability of models at 99% confidence.
- TfL Python Network Analysis*** Analysed TfL networks using pandas, NumPy, Matplotlib, NetworkX libraries including data manipulation (looping statements and functions such as lambda, map, filter), visualisation, and linear modelling (PuLP).
- Fosters+Partners Energy Modelling** Proposed BREEAM energy-efficient design for [Colechurch House](#) using a Python mixed-mode ventilation model and optimised facade design on Sefaira, which exceeded performance requirements by 65%.

⚙️ Skills

- Professional** Microsoft Office, \LaTeX **Programming** Matlab, Octave, Python **Web** WordPress, HTML, CSS, cPanel
Native Languages English, Chinese **Engineering** AutoCAD, QGIS, Tekla, Tedds **Sports** 8-ball, Squash, Archery, Piloting

HYPERLINKS ARE HIGHLIGHTED