Daniel Tsiang

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https://danieltsiang.github.io

High potential and eager to learn engineer seeking entry-level software developer roles based in London

EDUCATION

Harvard University   **Remote**

CS50x: Introduction to Computer Science (short course)   Jan 2021 – Apr 2021
- Languages covered: Python, JavaScript (plus CSS, HTML and jQuery), C , SQL
- Final project: 'Stock Simulator' web application which uses real-time data (built using Python with Flask)
- Topics covered: algorithms, data structures, security, software engineering, and web development

Imperial College London   **London**

Master of Engineering in Chemical with Nuclear Engineering   Oct 2014 – Jun 2018
- University Degree Classification: First-Class Honours

Newcastle-Under-Lyme School   **Newcastle-under-Lyme**

High School and Sixth Form   Sep 2007 – Jun 2014
- A-Levels: Maths (A*), Physics (A*), Chemistry (A*); AS Level: Biology (A)
- IGCSEs/GCSEs: 8A*s, 1A

WORK EXPERIENCE

AWE   **Reading**
Engineer   **Sep 2018 – Present**

Safety Engineer   Nov 2019 – Present
- Communicated technical information in a simple manner, using visual aids to present key details
- Analysed risks and documented findings, providing justifications on suitable hazard management
- Interviewed graduate applicants and mentored successful candidates during their graduate scheme

Process Engineer   Aug 2019 – Oct 2019
- Presented safety observations from physical inspections and best practices back to team members
- Reviewed technical documentation and checked for technical errors

Project Manager   Apr 2019 – Jul 2019
- Streamlined efficiency of reporting of metrics by automating laborious tasks e.g. checking of duplicate entries, flagging up based on proximity to due date and tracking of deliverables submitted
- Wrote guidance documents to ensure high quality of deliverables produced
- Monitored progress towards monthly targets and published regular updates on priority of deliverables

Client Interface Management   Sep 2018 – Mar 2019
- Liaised between senior management staff and regulators as the key point of contact
- Briefed key stakeholders on important updates during regulatory interface meetings
- Captured company commitments as formal actions and communicated these to key stakeholders

Voluntary School Outreach Project   Jan 2019 – Jul 2019
- Planned and delivered 10 primary schools visits to inspire and engage children with STEM activities
- Led communication with external parties, e.g. schools, charity, and arranging grand prize

EXTRACURRICULAR ACTIVITIES

JPMorgan Chase & Co. **Remote**
Software Engineering Virtual Internship Feb 2021

- Fixed broken client data feed Python script to enable analysis of stock trading opportunities, and added unit tests for methods in the client application
- Fixed the client-side TypeScript web application so that it displays a graph that automatically updates as it gets stock data from the server application
- Adjusted data set up on React web application to provide clear visualisation of data with UI/UX considerations accounted for, allowing traders to monitor their trading strategies

Leadership Experience

- Graduate Project Mentor (2020) – Coached graduates to ensure their key deliverables were met within the project deadlines and provided prompts to aid their progress
- Project managed company team-building events (2019) – responsible for spending of budget, specifying event requirements, promotion of event, selection of event organisers and subsequent liaison

SKILLS & INTERESTS

- **Technical Skills:** knowledge in: Python, JavaScript (plus CSS, HTML and jQuery), C, SQL, Git
- **Spoken Languages:** English (Native proficiency); Cantonese (Limited working proficiency); Mandarin (Elementary proficiency); GCSE French (Grade A*)
- **Interests:** Travelling and experiencing new cultures, collecting postcards as souvenirs, learning Mandarin