Simon E. **Lee**

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Education

Imperial College London   *London, United Kingdom*
MEng in Mechanical Engineering   *2010 - 2014*

- Graduated with first class honours, and was recognised on the Dean's list throughout study
- Curriculum focused on technical analysis and product engineering, with major projects including:
    - Conceptual design of a battery powered hand tool
    - Computer study (CFD) of the aerodynamic performance of a submarine
    - Turbomachinery design and assessment of prospective aero-engine design using inter-cooled and recuperated technology
- Extensive group project in designing and manufacturing a specialised 3D printer for body armour acting as project lead
    - Modified open source hardware and software design to add modules to accommodate large size design. Based on Arduino hardware
- Master thesis developing computational algorithms to characterise clustering in particle flow.
    - Developed a code base in C/C++, tracking work in git and producing documentation

IB School South   *Stockholm, Sweden*
International Baccalaureate   *2008 - 2010*

Work Experience

Cypher Forge   *Singapore, Singapore*
Co-Founder & Software Developer, Cryptocurrency Liquidity Provider   *2018 - Present*

- Start-up company looking to provide cryptocurrency liquidity by consolidating market information
- Developing software platform, focusing on front end using React & Redux

BAM Construction UK   *London, United Kingdom*
Site Manager, Major Building Contractor   *2016 - 2018*

- Worked on a construction site reponsible for the daliy work of two concert halls in a refurbishment project in central London
- Managed the work of 6+ contractors with 40+ workers, focusing on prioritising and coordinating efforts to achieve deadlines and sign-off
- Developed 6-week timelines to identify and organise tasks, and proactively resolve potential issues

Arup   *London, United Kingdom*
Mechanical Engineer, Engineering Consultancy   *2014 - 2016*

- Design engineer for various building developments, gaining key skills and experience by playing an integral role on several projects, including;
    - Seconded to the client on a large biomedical research lab in central London, designing adaptations of the building facilities to enable and bring in new scientific research teams
    - Working with contractors to deliver an office development on site in central London. Responsible for reviewing and answering design queries both informally on site and through written documentation
    - Worked closely with an ambitious client and their design team to achieve their vision of a luxury hotel in Central London refurbishment.

Nomura   *Kuala Lumpur, Malaysia*
Summer Internship, Equity Research Analyst   *Summer 2013*

- Produced reports that was published to investors with research and recommendations following company briefings, site visits and management meetings

Imperial College London   *London, United Kingdom*
Student Researcher, Department of Mechanical Engineering   *Summer 2012*

- Researched and implemented collision models of particles in an in-house developed discrete element simulation software package
- Entailed working in a large C code base, collaborating with the other researches to develop useful models and extending existing ones

Programming Projects

2018	**Methods Invest,** Automated portfolio rebalancing for cryptocurrencies	*Javascript*
2018	**Swedish Aid,** Multi-Dimensional data visualisation of Swedish foreign aid data	*Javascript*
2017	**whatorder.com,** Prototype app idea working on both the frontend and backend	*Javascript*
2016	**simonlee.me,** Blog and Personal Site	*Javascript*

Applicable Skills

Language	English and Swedish (Native)
Programming	C, Python, MATLAB, LaTeX, Javscript
Software	Docker, Git, Linux, MongoDB, MySQL, Keras, Jupyter Notebooks