Matthew Widojo

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Education

University of Oxford, Wadham College, **MEng Engineering Sciences** 2018-2022
- Course includes practical components on Solidworks and Matlab including Simulink
- Taking modules in Software Engineering, Information Systems, Control Systems, Circuit and Communications, and Equilibrium Thermodynamics

ACS Jakarta, Jakarta, Indonesia 2012-2018
- IBDP: 41, Maths HL 7, Physics HL 7, Chemistry HL 7, Economics HL 6, English HL 6, Chinese AB Initio 6
  - Equivalent to 3A*s and 1A in A-levels, 2As in AS levels
- IGCSE: 7 A*s and 1 A
- Awarded School Prize for Academic Excellence every year

Experience

Print Express International, **Software Engineering Intern** June-August 2020
- Utilized Javascript/Typescript to develop components of an application development platform
  - Utilized Angular, Vue, Node.js and other NPM modules
- Developed and tested sections of the User Interface
- Worked in Agile Environment
- Had regular meetings with senior developers/CEO
- Worked independently and initiated improvements to certain subsections of the program

Oxford University Racing, **Powertrain Engineer** ongoing from October 2018
- Participated in constructing an electric vehicle to race in the Formula Student competition
- Utilized Siemens NX to help design gearbox and associated mounts
- Assembled gearbox utilizing tools and department workshop
- Designed simulations in Matlab, Simscape and Simulink to check cooling and electrical systems
- Self-taught various skills to complete above tasks
- Cooperated with other people within a large organization

Oxford Indonesian Society, Oxford University, **Secretary** 2019-2020
- Negotiated with various organisations regarding sponsorship
- Revamped society website using Wordpress
- Composed biweekly mailers for mailing list of 80 people and updated social media posts

Charity Project in collaboration with Yayasan al Aadiyaat, Indonesia, **Team Leader** December 2017
- Led a group of students to raise funds and refurbished an orphanage
- Coordinated with organisation heads, local workers, and student volunteers

Inside the Box Boardgames, London, 1-week **Micro-Intern** in Product Testing December 2018
- Wrote reports and proposed solutions for board game later released to market
- Learnt about real working environment and to communicate with co-workers and superiors

Oxford Robotics and Additive Manufacturing Society, Oxford University, **Participant** 2019-2020
- Learnt basic Arduino and 3D printing

Activities and Skills

Languages: English – fluent/virtually native; Indonesian – Native
Coding: Personal experience in Python; Learning C and C++ as part of University Course
Work Experience in Javascript/Typescript, HTML and CSS, with some experience in Javascript modules such as Angular, Vue, Node.js etc.
Engineering: Work Experience in Solidworks, Siemens NX and Matlab (including Simulink)