Erica Soo

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EDUCATION

University of Sydney   **2018-Present**
Bachelor of Engineering Honours (Biomedical) and Bachelor of Science (Computer Science)
- WAM: 75.6
- Expected completion: November 2021

University of Edinburgh   **July – December 2019**
Engineering and Informatics
- Study abroad semester

North Sydney Girls High School   **2010-2015**
- ATAR: 98.05 (HSC Distinguished Achievers List)

Other Education
- **University of Sydney**
  Bachelor of Project Management (2016-2017)
  Bachelor of Science (Medical) (2016)

INDUSTRY EXPERIENCE & PROJECTS

Westmead Hospital   **2020**
Designed QR system for clinical nurses in Westmead hospital
- Developed recommendations for implementing a QR system to assist nurses with access to educational information within hospital wards
- Attended development meetings with senior clinicians, and applied data analytics to analyse product success

Medtech Innovation Competition   **2018**
Research and design project with Westmead Hospital
- Designed wearable device for paediatrics with ADHD, designed product, interface, and website in HTML and CSS, analysed engineering design processes, 3D-CAD modelling of prototype, and presentation of product pitch

Hunters Hill High School   **2018**
Volunteer technology education coordinator
- Coordinated an engineering education program for 30 Year 10 students, developed lessons to demonstrate basic engineering concepts, and liaised with school staff

ACHIEVEMENTS & COCURRICULAR

- **USYD Vice Chancellor's Global Mobility Scholarship (2019)**
- **USYD Open Day volunteer (2018)**
  Advanced Engineering student representative
- **Sydney University Association of Biomedical Engineers (2016-2017)**
  Subcommittee events volunteer

AREAS OF STUDY & COURSEWORK

Engineering: Biomanufacturing, Mechanical design, Anatomy and physiology for engineers, Tissue engineering, IT in biomedicine
Computer Science: Object-oriented programming, Data structures and algorithms, Algorithm design, Applied machine learning
Science: Introduction to psychology, Abnormal psychology
Project Management: Project-based organisational behaviour, Project finance

SKILLS

Languages: Java, Python (Pandas), HTML, CSS, SQL
Tools and Software: SolidWorks, ANSYS, 3D Slicer, MATLAB, Latex, Microsoft Excel
Interests and Hobbies: Netball, touch football, music (piano, guitar), upcycling thrifted clothing