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| Image result for phone icon | +61 468 678 002 | Image result for email icon | wliu1996@hotmail.com.au |
| Image result for github logo | https://ouibaa.github.io | Image result for linkedin logo | https://www.linkedin.com/in/weber-liu-118985b9/ |

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| **EDUCATION** |
| **Bachelor of Science (Advanced)** |
| *University of Sydney (2015 – 2017)* |
| Awards |
| * Deans List of Academic Excellence |
| * Vice Chancellor’s Scholarship |
| * Sydney Medical School Summer Research Scholarship |
| **Doctor of Medicine** |
| *University of Sydney (2018 – 2021 in progress)* |
| Awards |
| * Deans List of Academic Excellence |
| * Vice Chancellor’s Scholarship |
| **Master of Science in Medicine (Clinical Epidemiology)** |
| *University of Sydney (2019 – 2021 in progress)* |
| **Higher School Certificate** |
| *Sydney Boys High School (2009-2014)* |
| Awards |
| * 99.95 ATAR * 19th in NSW (Chemistry) * Lennie Basser Award for Scientific Initiative |

WEBER **LIU**

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| **PROFESSIONAL EXPERIENCE** |
| **Demonstrator, Tutor and Curriculum Development** *(July 2017 – Current)* |
| From Molecules to Ecosystems (BIOL1X01)   * Co-created tutorial series involving protein visualisation in Virtual Reality (Blender 3D, ePMV, Unity and Oculus) and analysed student unit feedback * Redesigned tutorial series based on prior feedback, taught game design principles |
| Human biology (BIOL1X07/MEDS1X01)   * Developed and coordinated a tutorial series on science communication (Adobe Slack) and data visualisation and java programming (Processing) to over 200 students involving live programming workshops * Ran a weekly ‘Ask Weber’ tutorial series to support students in understanding concurrent lectures and concepts in human biology via Zoom (throughout 2020 lockdown) * Attended curriculum development meetings with Educational designers and researchers to optimise workshop structure and learning for the new curriculum |
| Key concepts in Physiology (PHSI2X07/MEDS2X01)   * Developed and delivered a 4-day Arduino maker workshop to both medical science and medical (MD) students |
| Frontiers in Whole Body Physiology (PHSI3X11)   * Project lead in Virtual Reality game development (Blender 3D, Unity, C#), coordinating 16+ students in experiment planning and development and data collection and analysis (Zephyr activity tracker) |

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| **INVOLVEMENT AND EXPERIENCES** |
| **Discipline of Biomedical Informatics and Digital Health (USYD) research elective student**  *(January 2021 – Current)*   * Worked on system for automated pharmaceutical adverse event signal detection using structured clinical data from Clinicaltrials.gov * Gained experience with matplotlib and methods of meta-analysis |
| **foundationsofmedicine.github.io**  *(January 2021 – Current)*   * Established a group of fellow medical students and doctors to develop clinical and basic science resources to improve medical education |
| **ACRF Image-X Institute research student**  *(November 2018 – February 2019)*   * Investigated the use of PCA methods in markerless modelling of patient-specific motion for real-time radiotherapeutic treatment of Lung cancer. * Worked with 4D cone-beam CTs in MATLAB and Slicer3D |
| **University of Sydney ICT TechLab / School of Medical Sciences volunteer project manager and developer**  *(May 2017 – July 2018)*   * Collaborated with Ramus media and managed the back-end development of Many hands make light work instalment for Vivid in World Square * Developed a Virtual Reality application for demonstration at the University of Sydney Vice Chancellor’s Recognition Reception to over 100 USYD alumni * Managed 10+ first-year students and taught 3D modelling and Virtual Reality (Oculus) and Augmented Reality (Vuforia) |
| **Biosciences Education Australia Network (BEAN) Forum presenter**  *(December 2017 – December 2018)*   * Ran a workshop and 2-day demonstration of VR applications for over 50 tertiary lecturers across Australia |

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| **SKILLS** |
| * Programming in Java, C#, Python and MATLAB |
| * Front-end development in HTML/CSS/JS |
| * Unity 3D Development Certification ID: 201708UCD2659 |