

## Jessica Luff

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Portfolio: [jessluff.github.io/portfolio-page](https://jessluff.github.io/portfolio-page) | Github: [github.com/JessLuff](https://github.com/JessLuff)

### Profile

- Graduated with Master of Biomedical Engineering and Bachelor of Mechatronic Engineering (Honours)
- Experience in biomechanical modelling and physiological simulation software in various coding languages including C++, Matlab, HTML and Javascript
- Industrial experience in product manufacturing, functional testing, government compliance and technical writing

### Education

University of Sydney Coding Bootcamp 2021

- Password Generator webpage asks for password requirements and creates a randomly generated password: [jessluff.github.io/password-generator](https://jessluff.github.io/password-generator)
- Workday Scheduler webpage allows a user to track tasks throughout the day, broken into hourly increments: [jessluff.github.io/day-planner](https://jessluff.github.io/day-planner)
- Weather Dashboard webpage shows the current and forecasted weather for a searched city: [jessluff.github.io/weather-dashboard](https://jessluff.github.io/weather-dashboard)

UNSW

Master of Biomedical Engineering 2019

Bachelor of Mechatronic Engineering

Higher School Certificate 2012

Gosford High School

### Employment Experience

**Mechatronic Engineer** August 2019 – Current  
**Air Brake Corporation of Australia**

- Collaborated with sales representatives and consulting engineers to meet customer needs and government registration standards.
- Assisted in development of new products, including ongoing testing of 3rd party products for suitability to integrate into our system and platform.
- Updated product advertisements including updating technical information, reformatting wall charts and editing brochures and flyers.

**Assembly Engineer** March 2018 – Dec 2019  
**R2P Asia Pacific**

- Undertook thesis research to test new technologies for suitability to integrate into current products
- Assembled and repaired audio communication units to high quality standards, utilising soldering, wiring and manual labour skills.
- Wrote technical documentation outlining manufacturing processes for all products.

**Coordinator and Instructor  
Engineering World Health**

Dec 2018 – Feb 2019

- Instructed classes of 35 students on electrical and mechanical laboratories
- Coordinated transport, classes, homestays and cultural experiences within the Summer Internship in Cambodia, a program which provides industrial training for university students in overseas placements
- Collaborated with and reported to head office in USA, Cambodian associates and Australian partner university
- Visited student groups in placement hospitals to provide support and advice

**Volunteer Biomedical Technician  
Engineering World Health**

Dec 2017 – Feb 2018

**Shift Manager  
Coco Cubano Kensington**

May 2015 – April 2018

**Customer Service Team  
Officeworks West Gosford**

March 2013 – March 2015

**Crew Member  
McDonalds West Gosford**

Feb 2009 – April 2013

**Community Involvement and Achievements**

**Vice-President and Umpire  
UNSW Netball Society**

2018 – 2019

- Coordinated within a team of executives to manage a netball club of 120 members
- Contributed to the club weekly as an A-Grade umpire, resulting in selection as a representative umpire at the State Age Competition
- Undertook extra courses and training to improve as both an umpire and a player, earning Umpire of the Year and Most Valuable Player in 2018

**Treasurer and Team Captain  
UNSW Warriors Cheerleading Society**

2016 – 2017

- Maintained financial records and payments for sporting club of 80 members as Treasurer of 2017, with a team of executives to organise the society
- Collaborated with coaches and executives to lead a competition level team to State and National Scholastic Champions as Captain of 2016

**Senior Umpire  
Coastal Waters Netball Club**

2007 – 2020

- Umpired weekly to earn Senior Umpire of the Year for both 2014 and 2015
- Undertook training to advance through umpiring levels, earning the White Award of Umpiring in 2012, Gosford Award in 2014 and National C Badge Accreditation in 2015