

# Jiajin Zheng

MEng (Biomedical) final year student

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## Profile

Final year Biomedical Engineering Master student with a strong readiness to learn and eagerness to grow. I am a self-motivated person who is passionate about coding, participated various programming contest outside of study while maintaining a strong academic track record. Experience in many biomedical projects and innovation projects with knowledge of business aspects within a cross-disciplinary setting. An effective team player with excellent oral & written communication skills, highly adaptable in different environments.

## Education

- 2018 — Present (Expected to graduate in Nov 2019)  
**The University of Melbourne**  
Master of Biomedical Engineering (First Class Honours)  
Major focus in Medical Imaging & Computational Gene
- 2015 — 2017  
**The University of Melbourne**  
Bachelor of Biomedicine (Second Class Honours A)  
Recipient 2016 Melbourne Global Scholars Award

## Relevance Experience

- Feb, 2019 — Present Melbourne University  
**BioDesign Innovation Project**
  - Identifying unmet needs in the biomedical field
  - Evaluating the feasibility with business aspects
  - Validating concepts by research & interviews
  - Constructing a prototypic MVP model for demonstration
- June, 2018 — Oct, 2018 Commonwealth Bank  
**Business model validation Project**  
Evaluated the feasibility of a business model for CBA. Conducted over 20 interviews and provided insightful feedback to the CBA in refining their business model.
- 2017 — 2018 Melbourne University  
**School Design Project**
  - Designed a prosthesis to improve conventional reverse total shoulder arthroplasty using CAD software
  - Designed a gamified stroke rehabilitation device by processing the neuromuscular signal. Device was prototyped on a breadboard

## Skills



## Languages

Mandarin Chinese (Native)	<div></div>
Cantonese (Native)	<div></div>
English (Fluent)	<div></div>
Japanese (Conversational)	<div></div>

## Internship

- Dec, 2018 — Feb, 2019 Melbourne University  
**Technical Specialist, CAREN Lab**
  - Actively participated in daily discussion. As one of the authors for an abstract, our lab successfully gain a chance to present on an international Symposium.
  - Constructed 4 templates and standard operation procedure documents that enhance efficiency by 45%.
  - Assisted operation on CAREN system and managed subject's safety under professional experimental setting.

## Volunteer Experience

- Mar, 2019 — Present Phillip Island  
**Volunteer at Free 3D Printed Hand Workshop**  
Designing an Arduino prosthetic hand at a minimal cost and offer them for free. I open sourced it to potentially help thousands of children with forearm amputation.

## Extracurricular activities

- Mar, 2019 — Present  
**Competitive Programming & Personal projects**  
Constantly participating in various programming contests and working on software development personal projects
- Aug, 2018 Melbourne University  
**Guest Speaker**  
Invited to present about "Healthcare graduate pathway" to the bachelor of Biomedicine cohort
- Team Leader for the MSE 2018 Case Competition**  
Proposed a solution for repurposing retired ExxonMobil platforms with a multi-disciplinary team

## Memberships

- Melbourne University Biomedical Engineering Society
- Melbourne University Competitive Programming Club
- Melbourne University Japanese Club

## Certificates

- Accredited First Aid Courses, Australia
- CPR & First aid
- First aid management of Anaphylaxis & Asthma