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

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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
 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
- Image: 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.
- 苗2017 2018 |School Design Project
- **♥** *Melbourne University*
- 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

Internship

- - 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

■ III 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

■ **iii** Aug, 2018

Guest Speaker

Invited to present about "Healthcare graduate pathway" to the bachelor of Biomedicine cohort

Team Leader for the MSE 2018 Case Competition

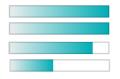
Proposed a solution for repurposing retired ExxonMobil platforms with a multi-disciplinary team

Skills



Languages

Mandarin Chinese (Native)
Cantonese (Native)
English (Fluent)
Japanese (Conversational)



Memberships

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

Certificates

• Accredited First Aid Courses, Australia

CPR & First aid

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First aid management of Anaphylaxis & Asthma