# ZEYI YANG

## SUMMARY

I am an innovative, well-organised physics graduate and musician. I have found passion in AI through a course project late 2020. I envision AI becoming a core technology in healthcare and I aspire to lead the emerging industry during this golden era. I am seeking a position where my knowledge in physics will be utilised.

## CONTACT ME

E-mail: brettyang@live.com

Mobile: 0411 647 678

Website: brettyang.info

## EDUCATION

**Univerity of Sydney**          24 Feb 2020 - 15 Jul 2021

**Master of Medical Physics**

Thesis | A Deep Learning-Based Software for Cell Segmentation and Quantification (Distinction)

**University of Melbourne**     26 Feb 2016 - 24 Jul 2019

**Bachelor of Science** (Physics Major)

Exchange | Study was undertaken at the University of Manchester in 2018.

## EXPERIENCE

**Laboratory of Molecular Neuroscience and Dementia**

1 Feb 2021 – 1 Aug 2021

Promoting image processing and physics techniques among neuroscientists.

**Maxx Academy**          1 July 2020 – 1 Aug 2020

Help HSC candidates understand the forces of nature during university holidays.

**EMS Stage Band**          1 Mar 2016 – 1 Nov 2019

Drummer of a Melbourne-based jazz band. Regular performer at local establishments, including the renowned Bennetts Lane Jazz Club.

## SKILLS

**Technology**

Python | C++ | JavaScript | MATLAB | Mathematica

**Communication**

• Understand and express clearly in English and Mandarin. Communicate basic French.
• Culturally-aware, connect with people across the world.
• Demonstrate empathy and tact.

**Problem-solving**

• Identify the problem and define contributing factors.
• Apply mathematical and physical skills independently in practice.
• Exchange ideas and develop solutions with teams as did in physics and philosophy sessions at university.

**Learning**

• Always eager to learn due to a curious mind.
• Self-motivated and prepared to invest time and effort.
• Share experiences with others.

## PROJECTS

**AI Bassist**          15 Nov 2021 – 29 Nov 2021

A web-application for autonomous melody generation – a self-driven project aimed to explore the role of AI in the music industry.

**A Faster Pipeline for Cell Fluorescence Measurements**

1 Mar 2021 – 31 Aug 2021

AI-assisted semi-automatic solution for accurate cell fluorescence measurements in the mouse model of Alzheimer's disease.

**Music Production**          1 Jan 2020 – Ongoing

Engineering sounds that reflect the underground electronic music scene while exploring AI-generated melodies.