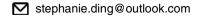
EPHA



🏠 Caltech MSC 389 Pasadena, CA 91126



🕻 (626) 662-9765

EDUCATION

2016 - 2020

California Institute of Technology

Undergraduate Major in Computer Science (in-progress)

2016 - 2016Australian National University

Completed courses MATH1115, COMP1130, COMP2300, STAT1003 with High Distinction

2010 - 2015

North Sydney Girls High School

Completed the Australian NSW Higher School Certificate in 2015 (ATAR: 99.50)

Subjects completed: English (Advanced), English (Extension 1), Mathematics (Extension 1), Mathematics (Extension 2), Physics, Chemistry, Information Processes and Technology (Accelerated)

- +2013Ranked 3rd in NSW for Information Processes and Technology
- +2013Recognition awards for achievements in Information Processes and Technology and Science
- **HSC All-round Achiever** + 2015

2014 - 2014

University of New South Wales

Completed Computing 1 (COMP1917/HS1917) with High Distinction

ACHIEVEMENTS

2016	Australian National University Sharpe and Abel scholarship	
2016	Google Junior Anita Borg scholarship	
2016	AngelHack Sydney 2016 Hackathon Prize Recipient	Code 4 Impact Award
	Awarded by the UN Women Singapore Committee	
2014	National Computer Science School Challenge (Advanced)	Perfect Score
2014	University of New South Wales ProgComp	Distinction
2013	National Computer Science School Challenge (Advanced)	High Distinction
2012	Australia Centre for Learning Innovation: Web Design Awards (eProfile)	First place

PREVIOUS EXPERIENCE

March 2015 - July 2015

University of New South Wales

Volunteer mentor/teaching assistant (HS1917)

- + Responsible for assisting students with programming tasks and lab exercises at weekly tutorial sessions
- + Provided students with feedback on assignment and task submissions
- + Provided online assistance to students in both the high school and university cohorts

November 2013 - November 2013

Academy of Interactive Entertainment

- Student work experience placement
- + Tasks involved 3D modelling, video editing, compositing and visual effects, programming and QA testing
- + Worked collaboratively in a small team to design, develop and present a game concept over a one-week period
- + Primary programmer, project manager and team coordinator

PROJECTS

June 2016 – June 2016 Web application (teleNex)

AngelHack Sydney 2016

- + Worked in a team of six to build a web application that aims to aid the diagnosis of mental health during counselling and treatment sessions by tracking patient emotions through video processing and analysis of speech patterns
- + Worked on the node.js backend, video and audio capture and processing
- + Wrote Python code to integrate API from Haven On Demand and Microsoft Cognitive Services for sentiment analysis, speech recognition and processing
- + Winner of the UN Women Singapore Code 4 Impact Award

January 2015 – January 2015 Social media website (*TerraQuest*)

National Computer Science Summer School

- + Worked in a team to build a gamified social media website for event scheduling
- + Wrote the website's templating engine and implemented a recursive descent parser in Python

January 2014 – January 2014 Arduino robot

National Computer Science Summer School

- + Worked in small groups to design and build a robot to facilitate physical activity and fitness
- + Used flex sensors and gyroscopes to receive feedback from the user that would affect the robot's movement
- + Responsible for both the hardware aspects (electronics and construction of the robot) and writing the software algorithms that governed the robot's behaviour

SKILLS

+ Programming Proficient: Python, C Limited: Haskell, Ada, HTML/CSS/JavaScript, SQL

+ Languages Fluent in both English and Mandarin Chinese

+ Miscellaneous Familiar with the Linux operating system, version control systems such as git and subversion

Experience with programming Arduino microcontrollers