S T E P H A N I E D I N G

Caltech MSC 389 Pasadena, CA 91126 stephanie.ding@outlook.com (626) 662-9765

EDUCATION

2016 – 2020 **California Institute of Technology**

Undergraduate Major in Computer Science (in-progress)

2016 – 2016 **Australian National University**

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

+ **2016** Recipient of the *Sharpe and Abel* scholarship

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)

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

2014 – 2014 **University of New South Wales**

Completed Computing 1 (COMP1917/HS1917) with High Distinction

ACHIEVEMENTS

2016	AngelHack Sydney 2016 Hackathon Prize Recipient *Awarded by the UN Women Singapore Committee*	Code 4 Impact Award
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

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

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

September 2012 – September 2012 **North Sydney Girls High School**
Legacy Day volunteer

+ Assisted with selling of merchandise in local area to fundraise for families of deceased veterans
+ Acquired skills in sales, marketing and effective communication, organisation and cash handling

PROJECTS

January 2014 – January 2014 **National Computer Science Summer School**
Arduino robot

+ 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

January 2015 – January 2015 **National Computer Science Summer School**
Social media website (*TerraQuest*)

+ 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

June 2016 – June 2016 **AngelHack Sydney 2016**
Web application (teleNex)

+ 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

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