

BRADLEY REGO

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St Gregory's College Campbelltown | University of Sydney (2017-2020)

DEGREE AND CAREER GOALS

I am Completing a Computer Science and Technology (Computer Science/Information Systems, double major) degree at the University of Sydney. My interests include Software Development, Product Management and Human Computer Interaction. In my dream role I want to help and have an impact on as many peoples' lives as possible through the products I work on.

EXPERIENCE

Academic tutor(University of Sydney)- I worked as an academic tutor for the INFO1110 Introduction to Programming (High school Fellowship) Program. This was the first year the program was introduced to high school students. I taught **Python** in this course. The course was made of students that varied programming experience. This meant that I had to explain programming concepts in different ways as well as prepare extension questions for students that finished tutorial work before the class was over. Also, since this course was taught completely over Zoom, I had to adjust my teaching style to suit this environment.

PROJECTS/COURSES

Public transport accessibility application (Android development)- I'm currently working on this application. The goal of this app is to improve the accessibility of public transport by alerting users when they need to alight from public transport. I believe that this would help the blind and deaf members in our society because at the moment train guards do not always announce what is the next stop and on busses there are no announcements at all.

Where have I been in the world (Python development)- This is a python function that will return a png/SVG image that will show a colourful map of where you have been in the world!

CO-CURRICULAR

Vice President of Sydney Computing Society (formerly Sydney University IT society) (2019- current)- My official role is to "deputise for the president" but I am trying to make this role my own by organising inter-university events, helping manage our website and organise our weekly BBQs for the society. I also head the events team and make decisions on behalf of the society.

Hackathon lead finance(2019)- I managed the finances for the inaugural SYNCS Hack, a new event that was a major source of revenue for the society. In addition to managing and growing ticket sales, I was responsible for high-level decision making with the leadership team. This included organising a free ticket program to help students attend who were from underrepresented groups or were unable to afford the regular ticket prices.

Python and Java helpdesk lead (2019- current)- I organise and lead a helpdesk that focuses on helping first year students with python/java related questions. This involves explaining for/while loops arrays, data structures, testing as well as helping students debug code that they wrote.

Jord (UniHack 2018 Project)- Climate change is an issue that is effecting the world. This website allows the public to search for sustainable cafes/restaurants. This will allow customers to do their bit to reduce the effects of climate change. This website uses the Zomato API.

I completed the **DEX450 Programmatic Development Using Apex and Visualforce course (2019)**. This course taught me how to customise applications using the Salesforce platform. It taught me the apex programming language and visual force markup.

Treasurer of Sydney University IT Society (2018-19)- In this role I oversaw the finances of the society and assisted in industry relations. I was involved in high level decision-making. I helped re-design sponsorship tiers. In my term I was able to Double treasury reserves by year's end mostly from revenue growth from sponsorship and our hackathon. In this role I was able to introduce Square - an electronic way of collecting payments which helped the society greatly.

Lab Zero Assistant (2019-current)- In this role I was able to guide new students in setting up their computers for the upcoming year ahead. This involved helping the student set up a virtual machines and Windows subsystems (if they were a Windows user) and XCode tools (if they are a Mac user, installing all the necessary programs/libraries needed for university, teaching them how to connect to the Wi-Fi, VPN and university Linux servers.

ACADEMICS

- Website development(HTML,CSS, javascript, YAML, GIT)
- Data Structures(Java)
- Algorithms and complexity(Python)
- Databases(SQL)
- Object Oriented Design(C++)
- Formal languages and Logic(Lambda Calculus,LISP)
- Human Computer Interaction
- Operating Systems(C)
- AI (currently completing)
- Statistics(R)
- Distributed Systems (currently completing)
- Computing management (ITIL)

OTHER

ATAR: 80.70 (2016)
Band 6 - IPT (2016)
Band 5 - Software Design and Development (2016)