Henry Burgess

Contact

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Education

The University of Queensland
January 2017 – June 2021
Bachelor of Engineering (Honours) (Software)
Currently completing my Honours project at the Queensland Brain Institute under the supervision of Prof. Linda Richards AO.
GPA: 6.200

Dalian Neusoft University of Information
June 2018 – July 2018
I travelled to Dalian, China and participated in an innovation and entrepreneurship program facilitated as part of the Australian Government's New Columbo Plan. In a small team of Chinese and Australian students, I delivered a functional prototype and business plan for travel app *Travolla*.

St John's Grammar School
Class of 2016
Obtained a South Australian Certificate of Education (SACE) and an ATAR of 93.45. Achieved the *Composing and Arranging*, *Musicianship*, and *Physics* subject awards.

National Computer Science School
January 2016
I participated in an intensive program on the Python programming language. As part of a large team, I delivered a web application built on the Django framework.

Experience

University of Queensland – Casual Academic
January 2019 – Current
As a Casual Academic for CSSE1001 and DECO2800, I was responsible for providing practical help and instruction to students during timetabled classes. Other duties involved marking and providing feedback on assessment items. CSSE1001 provides an introduction to the Python language and object-oriented programming and DECO2800 gives practical experience in Java, teaching students software testing and documentation concepts in a team environment.

Deswik Mining Consultants – Software Intern
January 2020 – February 2020

I worked as part of the Deswik.Sched product development team delivering bug fixes, UI / UX enhancements and general maintenance to Deswik's industry-leading scheduling and resource-optimisation tool. I gained experience with professional software development tools such as Visual Studio 2019, programming in C#. While working in an Agile environment, I participated in daily stand-up meetings and sprint retrospectives, and I actively used professional tools such as Atlassian's Confluence and Jira to manage my workflow.

CSIRO – Research Assistant
June 2019 – July 2019
As a Research Assistant in the *Agriculture and Food* business unit, my specific duties involved developing a prototype geospatial web application using JavaScript. I was required to understand the agricultural context and UI / UX requirements of the end-users from subject-matter experts. I gained experience developing web applications using JavaScript and tools such as Google Earth Engine.

Forwood Safety – Intern
January 2019 – February 2019
As an Intern, I was required to understand and evaluate the capabilities of the AWS QuickSight service and how it could provide valuable insights to mining corporations in order to improve safety on mine sites. This required me to understand the business context of Forwood's products and deliver documentation to stakeholders that critically evaluated possible uses of the QuickSight service. Furthermore, I was responsible for documenting software defects that I was required to present to Amazon representatives.

Tutoring for Excellence – Tutor
September 2017 – January 2019
As a Tutor, I was required to deliver high-quality instruction and assistance to students studying Year 10 Maths B, Maths C and Physics and Year 6, 7 and 9 Maths.

CMSIT – High School Work Experience
January 2015
At CMSIT, I gained experience in providing Windows desktop and remote support to clients in a variety of areas such as network configuration, group policy, hardware configuration, and deployment.

Australian Centre for Field Robotics (ACFR) – High School Work Experience
December 2014
During my time at the ACFR, I undertook a range of practical duties that included modelling components in the CAD software SolidWorks, assembling electronic components, and conducting hardware tests and verification.

Dematec Power and Automation – High School Work Experience

July 2014
At Dematec, I worked on a project for a client requiring programming of Logic Controllers and the development of a solution to automate alerts of critical system information.

Achievements

EY Game Changers 2019
I participated in the EY Game Changers program in 2019, attending a number of workshops focussed on equipping students with an awareness of 'mega-trends' in the business world and how to respond to these trends.

Dean's Commendation for Academic Excellence
Academic achievement recognised for Semester 1 and 2, 2019. Qualification for each award required a semester GPA greater than 6.6 on a 7-point scale.

Bronze Duke of Edinburgh
Achieved in 2013 as part of Year 9 school curriculum. Fulfilled the *Service*, *Physical Recreation*, *Skills* and *Adventurous Journey* requirements.

AMEB Trumpet Grade 4
Achieved a High Distinction result.

AMEB Trumpet Grade 4 Prize
Achieved the highest result for a Trumpet Grade 4 examination across South Australia and the Northern Territory.

Volunteering

Red Frogs
During 2019 Schoolies week on the Gold Coast, I spent a week ensuring school-leavers remained safe as part of the Red Frogs initiative. This involved building relationships with school-leavers from a variety of backgrounds and ensuring they had the support they needed during the week.

Consultant – 180 Degrees Consulting (The University of Queensland branch)
As a Consultant for 180 Degrees Consulting (The University of Queensland branch), I worked on a project for a non-profit clothing brand benefitting Indigenous Australians. My primary responsibilities related to developing a PR strategy during COVID-19 and optimising operational strategies. I was required to meet regularly with my team to discuss progress and present deliverables to the client.