

# Denton Phosavanh

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## Work Experience

**BAE Systems Australia**  
Graduate Software Engineer

## Description

**DFMS** (Defence Formal Messaging System)  
- Develop client/server software used to deliver formal messages  
- Tools: C# / ASP.NET, Java, JavaScript, CSS

## Date(s)

2019-02 - 2019-08

## Product Security

- Research tools and frameworks to promote secure software development

2019-08 - 2020-02

## JORN (Jindalee Operational Radar Network) Operations Centre

- Develop applications serving as a human/machine interface to JORN  
- Tools: C++ , Qt, DDS

2020-02 - 2021-02

Software Engineer

## DFMS

- Develop and test changes for the PSPF upgrade

2021-02 - 2021-08

## CDS (Cross Domain Solutions)

- Develop a security-hardened RHEL-based operating system  
- Integration of Linux security software such as:  
  - SELinux, AIDE, fapolicy, PAM  
- Support the development of the Interactive Link software suite  
- Enhance existing automated testing systems  
- Tools: python, bash, Red Hat Enterprise Linux, RPM, kickstart, Groovy

2021-08 - Current

**University of Adelaide**  
Casual Tutor

Supervise practical/workshops sessions of comp-sci courses

2017-07 - 2017-11

## Education

## BEng. (Software) (Hon.) (Class I)

The University of Adelaide, Australia

**2015 - 2018**

GPA: 5.844 / 7

Honours Project  
Select Courses

Automated classification of threat intelligence using machine learning  
Operating Systems / Computer Vision / Parallel and Distributed Computing

## Personal Development

## Programming skills practice

- ACM ICPC Practice Rounds (ANZAC)  
- adventofcode, /r/dailyprogrammer  
  - Collections of competitive-style programming challenges  
- Project Euler, Project Rosalind  
  - Mathematical and bioinformatics problems solved with computation  
- Tools: C++ , Java, Python

2016 - 2018

2016 - Current

2016 - Current

## Cybersecurity practice

- Hack This Site, Over the Wire, BAE Systems CTF 2021

## Home lab

- Hosting various services on my own hardware  
- Linux server administration  
- Authentication, web proxying, network management  
- Docker, Ansible

2020 - Current

## Technical skills

Language/Framework

## Item - sorted by experience

C++ , Python, Java, Shell script, RPM, Ansible

Software Dev

Unix-like, Windows, Git, SVN, Markdown, L<sup>A</sup>T<sub>E</sub>X  
Atlassian Suite (Jira, Confluence, Bamboo, Fisheye)