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## Employment history

- 2015-11**      **Research intern** at Pawsey Supercomputing Centre  
Developed tools to allow content creators to easily arrange 3D scenes with models of the recently discovered wrecks of HMAS Sydney (II) and HSK Kormoran, animate these scenes, and render them on the Magnus supercomputer near Curtin University.
- 2014-02**      **Casual academic** at Curtin University  
Tutored classes for Unix and C programming, as well as first- and second-year software engineering, in addition to administrative tasks such as marking tests and assignments.
- 2015-01/2015-06**      **Technical operator** at Diamond Cyber  
Improved the security of the organisation's upcoming public website, investigated secure communications platforms for penetration testing, and built a workstation for training new employees.
- 2014-04/2015-07**      **Engineering outreach volunteer** at Curtin University  
Demonstrated introductory programming skills using the Raspberry Pi computer to eleven groups of high school students from years nine to twelve, together with Engineers Without Borders Australia.
- 2014-03/2014-05**      **Junior web developer** at Aspermont Limited  
Supported and maintained a legacy content management system using ASP, VBScript, and Microsoft SQL Server, and aided with the migration of applications to Amazon Web Services and ASP.NET.
- 2009/2010**      **Software developer** at Willetton Senior High School  
Built and maintained web applications using PHP and MySQL, to enable staff to allocate classrooms, buses, and other facilities, and to allow English students to review texts that they have studied.

## Education

<b>2013</b>	<b>Curtin University</b> Bachelor of Science (Computer Science) Course weighted average: 90.34
<b>2008/2012</b>	<b>Willetton Senior High School</b> Western Australian Certificate of Education Australian Tertiary Admission Rank: 98.85

## Awards and achievements

<b>2015</b>	ACS Foundation ICT Scholarship (Diamond Cyber)
<b>2014</b>	Commendation from Curtin Science (2014 semester 2)
<b>2014</b>	Curtin Vice-Chancellor's List (2013 semester 2 — top 1%)
<b>2013</b>	Commendation from Curtin Science (2013 semester 2)
<b>2013</b>	Commendation from Curtin Computing (2013 semester 1)
<b>2012</b>	Curtin Science Excellence Scholarship
<b>2012</b>	Distinction in WACE Computer Science (second highest in WA)
<b>2011/2012</b>	First prize in the MAWA Have Sum Fun competition (twice)
<b>2011/2012</b>	Top student in WACE Computer Science (four times)
<b>2009/2012</b>	Bronze in the Australian Informatics Olympiad (four times)
<b>2009/2010</b>	Distinction in the Australian Mathematics Competition (twice)
<b>2008</b>	High distinction in the Australian Mathematics Competition
<b>2007</b>	Dux of Rostrata Primary School

## Community involvement

<b>2014-10/2014-12</b>	<b>Mentor</b> at CoderDojo WA Provided training and support to school students aged 7–17 who are learning programming skills in weekend workshops at CoderDojo's branch in Curtin University. Languages used include Scratch, Python, Ruby, HTML, CSS, and JavaScript.
<b>2015-11</b>	<b>President</b> at ComSSA
<b>2014-11/2015-04</b>	<b>President</b> at ComSSA
<b>2014-03/2014-11</b>	<b>Secretary</b> at ComSSA
<b>2013-11/2014-03</b>	<b>Ordinary committee member</b> at ComSSA Maintained official correspondence, minutes, web, email, and other computing services for Curtin University's computer science club. ComSSA provides academic assistance, student representation, and social events for computing, networking, and security students.

## Technical expertise

<b>Programming</b>	C, Java, JavaScript, PHP, Python, x86 assembly
<b>Typesetting</b>	BiB <sub>T</sub> E <sub>X</sub> , CSS, HTML, Jekyll, L <sup>A</sup> T <sub>E</sub> X, Markdown
<b>Databases</b>	Microsoft SQL Server, MySQL, PostgreSQL, SQLite
<b>Platforms</b>	Cygwin, Linux, FreeBSD, OpenBSD, Windows

## Research interests

- Cryptography
- Programming language design
- Video compression
- Image processing
- Provably correct software
- Computational linguistics

## Online presence

<b>Website</b>	<a href="https://www.azabani.com/">https://www.azabani.com/</a>
<b>GitHub</b>	<a href="https://github.com/delan">https://github.com/delan</a>
<b>Bitbucket</b>	<a href="https://bitbucket.org/delan">https://bitbucket.org/delan</a>
<b>Stack Overflow</b>	<a href="https://stackoverflow.com/u/330644">https://stackoverflow.com/u/330644</a>
<b>Twitter</b>	<a href="https://twitter.com/dazabani">https://twitter.com/dazabani</a>
<b>LinkedIn</b>	<a href="https://www.linkedin.com/pub/delan-azabani/96/1a0/5b7">https://www.linkedin.com/pub/delan-azabani/96/1a0/5b7</a>

## Referees

**Nigel Dutton**      +61 419 043 926  
Computer science teacher and systems administrator at Willetton Senior High School