

# Cody Lewis

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## EDUCATION

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2020 to Present	<b>PhD(Computer Science)</b> Research Training Program Scholarship 2020 to 2023	University of Newcastle
2017 to 2019	<b>Bachelor of Computer Science (Data Science)</b> FEBE Summer Research Scholarship 2018 to 2019	University of Newcastle

## EXPERIENCE

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2019 to Present	<b>Casual Academic</b>	University of Newcastle
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- The Table below lists the courses I have had a role in.
- For the demonstrator role I taught students primarily the practical aspects of the course or helped them refine their theoretical knowledge.
- The marker role involves the marking of assessments and some exams, usually being programming, mathematical, or theory based.
- In course content development (notated with Content Dev.), for SENG6250 I used lecture, textbook, and personal knowledge to expand explanations of topic for placement on a webpage. For COMP6360 I translated already prepared text into LaTeX code suitable for a MathJAX platform. For STAT1100 I wrote the tutorial contents for the course based on the prescribed textbooks, extension of previous contents, and personal knowledge gained from research work.

Course code	Course Name	Role
COMP3350	Advanced Database	Demonstrator, Marker
COMP3500	Security Attacks: Analysis and Mitigation Strategies	Demonstrator
COMP3260	Data Security	Demonstrator, Marker
COMP6360	Data Security (Masters level)	Content Dev.
SENG1110	Object Oriented Programming	Demonstrator, Marker
SENG2200	Programming Languages and Paradigms	Demonstrator
SENG2250	System and Network Security	Demonstrator, Marker
SENG6250	System and Network Security (Masters level)	Content Dev.
STAT1100	Data Wrangling and Visualization	Demonstrator, Marker, Content Dev.
STAT2110	Engineering Statistics	Demonstrator, Marker
INFO6002	Database Management 2 (Masters level)	Marker

## SKILLS

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**Tools:** Linux, Git, Android studio, make, cmake

**Languages:** Python, R, Java, L<sup>A</sup>T<sub>E</sub>X, Shell, C, C++, JavaScript, Fortran

**Certification:** First Aid

## PUBLICATIONS

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- [1] C. Lewis, V. Varadharajan, and N. Noman, "Attacks against federated learning defense systems and their mitigation," *Journal of Machine Learning Research*, vol. 24, no. 30, pp. 1–50, 2023. [Online]. Available: <http://jmlr.org/papers/v24/22-0014.html>