

113 Ernest Street, Manly,
4179, Queensland, Australia

LEWIS SMITH

0433311920
lewiswsmith@protonmail.com
<https://www.lewiswsmith.me/>

EDUCATION

University of Queensland	Queensland	July 2012 – July 2017
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- Bachelor of Software Engineering
- Undergraduate Coursework of note: Databases; Data Structures & Algorithms; Machine Learning; Discrete Math; Web information Systems; Calculus II; Systems Programming.

Employment

Software Engineer, Intern	SAP Innovation Centre, Brisbane	March 2016 – Current
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- Organising data for multi-million row databases into specific tables using optimised SQL queries (minimising operation cost)
- Optimizing the performance of query processing across large tables and views.
- Working on server side development using JDBC, Spring MVC, Olingo on a Java based Maven project.
- Working together with project leads, SAP HANA architects, UX designers, UI developers, data scientists, and business experts

Customer service associate	Masters, Brisbane	June 2014 – June 2016
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- Customer service
- Merchandising
- Stock management

Tutor	Independent Math & Physics Tutor	January 2012 – June 2014
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- Tutoring High School and First Year University Math and Physics

Chemical Engineer, Intern	Forge Group, Perth	Summer 2013
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- Document control work – Mt Weld & Dougal River projects
- Auditing P&IDs and PDs for the Dougal River project
- HAZOP for Dougal River Project
- Piping estimations using 3D CAD models and mass balances
- Mechanical equipment list indexing and auditing

TECHNICAL EXPERIENCE

Projects

- **Virtual Oscilloscope** (2016). Using Python (pyQt4, pyqtgraph, scipy, numpy), a working Oscilloscope software package with a live graphing feature interpolating data over Ethernet from a custom embedded system (Tiva C TM4C1294) with multiple data filtering tools – Math filter, FIR filter and measurement tools.
- **Networked card game** (University Project 2014) – A command line based card game using TCP networking where players connect to a server and each move is handled concurrently. C

ADDITIONAL EXPERIENCE AND AWARDS

- **Winner Most Innovative Business Idea (2016)**: Startup weekend for Health: Wearables for babies – Small babies, big data.
- **Outstanding Academic and Sporting Achievement (2011)**: Awarded upon graduating Ormiston College with an OP 3 (~97 ATAR)

Languages and Technologies

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- C, Java, Python, HTML/CSS/PHP, SQL, JavaScript, Matlab
 - Eclipse, Vim, Android Studio, Bash, JIRA, Git, Subversion, SAP Hana Studio