

KEVIN CHAN

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EDUCATION

UNSW	BEng Electrical Engineering/Bsc Computer Science	2016 – 2020
St Aloysius' College	High School Certificate	2015

PROFESSIONAL EXPERIENCE

Ocius Technology	Software Developer	JAN 2019 – Present
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Marine technology research developing autonomous data gathering and gateway communications

- Parsed industrial standard map data into a database for autonomous navigation systems using Python and PostgreSQL
- Migrated existing GIS implementation to a new framework with a 3fps to 35fps optimization
- Updated website with latest news using ReactJS and GatsbyJS for online presence

Textbook Ventures	Technology Lead	MAR 2017 – APR 2019
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A student led non-profit encouraging student entrepreneurship in Australia

- Collaborated with a team of 3 developers to build Sydney's first startup directory handling 400 entries using SQLite
- Designed 2 event-based websites with Django, Apache, AWS, HTML, CSS, JavaScript for search engine optimization
- Managed 4 servers' DNS records, SSL certification and AWS Load balancing for site reliability
- Built the team's first website using WordPress CMS achieving 1500 views per month

Continuing Legal Education UNSW	Student Assistant	FEB 2018 – AUG 2018
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Post graduate course provider for lawyers under the UNSW Law Faculty

- Developed a Salesforce database schema containing 12 years of existing data for a new line of products
- Implemented payment verification using OneStop Payment API, Salesforce and Drupal CMS handling 100's of monthly sale
- Automated emails for attendance, invoicing, reminders and registration confirmation to 100's of customers every month

Ocius Technology	WordPress Developer	SEP 2017 – JAN 2019
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- Redesigned company WordPress CMS theme in PHP, CSS and HTML doubling views per month
- Customised mass emails keeping 300 subscribers up to date with the latest company news and breakthroughs
- Consulted directly with CEO to continually customize the website to reflect the rapidly growing company

PROJECTS

Student Resource Directory	CURRENT
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- Created a web application helping students find communities and connect them with their interests through a curated database of student societies, companies, books, podcasts and talks.
- Built in Django and SQLite

Operating System 161	2019
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- implemented aspects of an Operating System using Harvard's educational OS/161, a BSD-like OS. including

Dungeon Escape	2018
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- Collaborated with a team of 5 students using common design patterns to build a maze escape game
- Implemented weapon equipment, consumable items for special effects and simple monster intelligence.
- Built in Java and JavaFX

UNSWTalk	2017
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- Developed a social media platform inspired by Facebook with account creation, log in verification, posting, commenting and profile pages for a web application assignment
- Built in Flask with a file system backend

References available upon request

TECHNICAL SKILLS

Programming Languages: Java, Python, C, PHP, JavaScript, Assembler (Armv7, MIPS), Perl, Shell Script, C#, C++

Frameworks: ArcGIS, OpenLayers GIS, WordPress, Django, Sqlite3, PostgreSQL, .NET, Salesforce CRM,

Software: Vim, VSCode, Linux Ubuntu, Git, Xilinx