

Evan Willcocks

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evnw.github.io

EDUCATION

B.Sc. Software Engineering, Mathematics and Statistics

February 2020 - November 2022

University of Western Australia

Course GPA: 6.042

Achieved High Distinctions in units CITS3004, ENSC3020, MATH2021, CITS1001

SKILLS

- Programming languages - Python, JavaScript, Java, C, SQL, R
- Systems programming in C
- Data analysis and data warehousing
- Web and App development
- Competent in cloud computing services
- Experienced in extract, transform, load (ETL) tasks
- Identify and mitigate various cyberattacks and vulnerabilities
- Well-versed in cryptosystems and hash/encryption algorithms
- Proficient in complex networks and structures including agent-based models
- Critical understanding of chaotic dynamical systems

EXPERIENCE

West Australian Centre for Road Safety Research (WACRSR)

December 2022 - March 2023

Software Technician

- App development using React Native Expo
- Backend services using Firebase
- Data transactions to and from Firestore using React Native Expo
- Data retrieval and processing from Firestore using Python
- Team leadership and organisation

4CDA

June 2022 - July 2022

Data Analyst Intern

- Construction of data pipeline from a web API to a PostgreSQL database utilising python and AWS
- Visualise data using Tableau
- Identify and integrate useful data sources
- Process data with python and SQL
- Time series analysis and development of mock time series generation tool

EXTRA-CURRICULAR EXPERIENCE

Surf Life Saving Western Australia

December 2022 - April 2023

Seasonal Lifeguard

- Enable a safe beach environment
- Provide first responder capabilities
- Positive public engagement
- Support the lifeguard academy
- Work closely with peers as a team

Surf Life Saving Western Australia

December 2021 - April 2022

Seasonal Lifeguard

UWA Information Security Society (UISS)

August 2021 - November 2021

UWACTF Competitor

- Participation in two capture the flag competitions
- Perform various cyberattacks on CTF infrastructure
- Assist other competitors with difficult challenges

VOLUNTEER EXPERIENCE

Sorrento SLSC

September 2015 - Present

Surf Life Saver

- Completion of awards: Bronze Medallion, Advanced Resuscitation, IRB Driver and RWC (jet ski) Operator
- Commitment to yearly requalification
- Analyse beach safety, identify any hazards and determine methodical solutions to any issues
- Communicate with public and provide a high standard of community service
- Supervise junior patrol members
- Conduct maintenance of beach and rescue equipment as well as beach cleanliness

REFERENCES

Dr. Matthew Albrecht
 Research Fellow
 WACRSR
 Ph: 0481 228 718
 Email: matthew.albrecht@uwa.edu.au

Mike Matraszek
 Metro Lifeguard Supervisor
 SLSWA
 Ph: 0432 432 908

Malcolm Judge
 Patrol Captain
 Sorrento SLSC
 Ph: 0438 933 236
 Email: Malcolm.Judge@riotinto.com