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EDUCATION

Western Sydney University   **Sydney, NSW**
Bachelor of Computer Science GPA: 6.75/7.0   *Feb '17 - Nov '19*

EXPERIENCE

PricewaterhouseCoopers Australia   **Sydney, NSW**
Consultant, Data Analytics   *Jan 2020 - Present*
- Cleanse, transform and analyse large datasets by building models to perform calculations and visualise data to generate insights.
- Led personal projects, managed communication and expectations with stakeholders, and shared results to partners and clients.
- Worked with top ASX listed clients and government organisations across a wide variety of industries (such as financial services, infrastructure and retail) to address their operational issues in risk compliance, financial insights, and optimisation process.
- Created models to independently calculate market and credit risk reported numbers in the Basel III Pillar 3 framework using guidelines set out by APRA and successfully identified multiple issues in the clients model which were remediated.
- Developed materials and delivered 10+ learning sessions for the data analytics team in areas of data wrangling and visualisation.
- Hosted learning sessions where seniors and consultants volunteered shared technical aspects of their work on a weekly basis.
- Selected to be one of two consultant level representatives for the Trust and Risk People Council at the firm with a focus on enhancing the on-boarding, off-boarding and attrition experience for staff.
- Automated financial audit procedures, generating cost savings of over $100k annually by eliminating an estimated 500 hours of manual work per year, and improved project management monitoring.
- Delivered various payroll analytics programs in close collaboration with legal experts to help high-profile Australian employers and government organisations navigate through their complex underpayments.

Australian Turf Club   **Sydney, NSW**
Software Engineer Intern   *Jun 2019 – Dec 2020*
- Developed an android mobile application for kiosks which accepts donations via eftpos and confirms payment to the user along with managing back-end database of payments and application settings.
- Responsible for UI design, database utilization and API development. Tech stack: Kotlin/Java, SQL

Western Sydney University   **Sydney, NSW**
PASS Tutor   *Jan 2018 - Jun 2019*
- Prepared teaching material and facilitated study sessions for units 300700 Statistical Decision Making and 300580 Programming Fundamentals for total of 100+ undergraduate computing students during 3 semesters, delivering 4 sessions per week across 2 campuses and online via Blackboard Learn.
- Students who attended five or more sessions scored on average 15.4 marks higher than their peers.

PROJECTS

Australian Mathematical Sciences Institute   **Melbourne, VIC**
Vacation Research Scholar   *Nov 2018 - Feb 2019*
- Utilised NLP algorithms (word2vec) to aggregate 15 million tweets from Australian twitter users, create a model to classify racist sentiment in the Australian context and use dimensionality reduction techniques (PCA and t-SNE) to visualise results. Programmed in Python. [Link to Report]
- Secured competitive scholarship funding and presented the findings of the research at the 2019 AMSI conference hosted by the University of Melbourne's Queen's College.

Western Sydney University   **Sydney, NSW**
Summer Research Student   *Nov 2017 - Feb 2018*
- Created simulations of the sky scanning process of the Tidbinbilla 70-M Radio Telescope in ACT by modelling Azimuth-Elevation and RA-Dec celestial coordinate conversions and optimised results by reducing overlapping scans and altering sampling rate. Programmed in Python and C++. [Link to Report]
- Selected as a 1st year student and was supported in continuing to work on the project in the following semester.

ADDITIONAL

- Recipient of the 'Above and Beyond' Award from The Academy, Western Sydney University in 2019
- Founder and President of the Western Association of Computing and Mathematics (WACM)
- Member of the Vice Chancellor's International Student Advisory committee at Western Sydney University
- Ambassador for Western Sydney University in marketing materials and events in Australia and Nepal
- Programming Languages: Python, R, C, C++, Java, SQL, HTML, CSS, PHP, Javascript
- Data Analytics Tools: Alteryx, Qlik Sense, PowerBI, Tableau