

Tylar Hart

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EDUCATION

Bachelor of Engineering (Honours) (Data)
Diploma in Professional Engineering Practice
University of Technology Sydney (UTS)
Current GPA: **6.18** (High Distinction Average)
WAM: **84.10**
UTS Dean's List: **2021 & 2023**

Mar 2019 - Jun 2024
(Expected)

NSW High School Certificate
Broughton Anglican College
ATAR: **82.3**

Feb 2013 - Nov 2018

STUDENT WORK EXPERIENCE

Enterprise Information Management Internship
NSW Police Force

Feb 2023 – Aug 2023

Researched the utilization and implementation of Microsoft Azure to be utilized for speech recognition of police interviews. Performed data cleaning and filtering of geospatial data to be used for an updated gazetteer. Utilized Microsoft SQL Management Studio and PowerBI to perform data transformation and visualization of Insights data to perform analysis.

Insights Platform Internship
NSW Police Force

Mar 2021 – Sep 2023

Developed improvements on the INSIGHTS platform, improving the object detection algorithm to have a 700% increased efficiency, as well as improve the text detection algorithm to be able to read vertical words.

Sensory Substitution for the Visually Impaired
University of Technology Sydney (UTS)

Jul 2019 - Jun 2020

Designed and developed a program utilising python and ROS to aid the visually impaired in navigation and recognition of texts, objects, and faces. As well as develop a tool using python and SQL to store data to later be used to predict battery life, and user requests.

LEADERSHIP EXPERIENCES

Short Messaging AI Co-Pilot

Aug 2023 – Current

Co-leading a team of students to design and develop a conversation suggestion AI. Currently leading the training team to develop pre-processing of data to utilize for training.

Engineers Without Borders Challenge

Mar 2019 - Jun 2019

Developed a on paper prototype for a mobile communications application between WaterAid and Timor-Leste. Directed the team towards an appropriate goal that was achieved, whilst also making sure everyone within the team was on time with tasks.

TRANSFERABLE SKILLS

Leadership Skills: Exhibited through leadership experiences, displayed above. I am able to manage and allocate project tasks and allow team members to have their say on different aspects of a project.

Team Skills: Presented across the academic achievement of group-based project subjects, achieving high distinctions, as well as throughout my 1st internship with different environments including scrum, kanban and other agile development approaches.

Communication Skills: I have a high level of communication skills which are exhibited through my successful performance throughout my university degree as well as my internship experience for both teams, presentations and documentation.

TECHNICAL SKILLS

Programming Skills: Python, Java, C, SQL, ROS, HTML, CSS, JavaScript, MATLAB

Software: Microsoft Office, Microsoft SQL Management Studio, PowerBI, Unreal Engine 4, Knime, RIMS, Unity

Licenses/Certificates: RSA, RFS Certification

REFEREES

References available upon request