JADE HARRIS

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EDUCATION:

2016 – 2021 Engadine High School

- F.I.R.S.T National Robotics Competition team
- Volunteer peer tutoring (Mathematics and English)
- **Awards:**
  - 2018 ICAS Science Distinction (top 5% of NSW)
  - 2019 Excellence in Academic Achievement
  - 2020 Excellence in Academic Achievement
  - 2021 Excellence in Academic Achievement
  - 2021 Australian Defence Force Future Innovators

- **2021 ATAR 98.35**
  - Software Design and Development, Engineering, English Extension 2, English Extension 1, English Advanced, Mathematics Extension 1 and Mathematics Advanced

2022 – present University of Wollongong
Bachelor of Computer Science (Dean's Scholar)
Major: Software Engineering

- **First Year (97 WAM):**
  - Semester 1
    - Programming Fundamentals (Java), Problem Solving, Systems Analysis, Database Management and Security (MySQL)
  - Semester 2
    - Object Oriented Design and Programming (Java), Networks and Communication, Introduction to Web Technology (HTML, CSS, Javascript), Human-Computer Interaction (Figma)

- **Scholarships:**
  - Westpac 100 Young Technologist
    - Invited to the 2022 Westpac Scholar Summit which involved 3 days of training conferences developing skills such as leadership, collaboration and innovation.
  - The William Dor Transforming Futures Scholarship in Engineering and Information Sciences
  - Dean's Scholar

SOFTWARE PROJECTS:

- **CONNECT** (2021)
  - Completed as the independent major work for Software Design and Development in Year 12. Created a C# Winforms application that retreived data from an Amazon Web Services EC2

SKILLS:

Java, Swing and AWT

C#, Winforms

HTML, CSS, Javascript (XSLT, JSON, AJAX)

Amazon Web Services (EC2)

MySQL Workbench, SQLiteStudio

Figma

Swift, SwiftUI

Adobe Creative Cloud (Photoshop, Premiere Pro)

Microsoft Office

DOCUMENTATION SKILLS

Psuedocode

UML (UMLet)

HOBBIES AND INTERESTS:

Multiplayer video games

Coding projects

Digital artwork

Dog training

Bush walking

server using the Oracle MySql.Data NuGet package. This allowed the application to be used across locations by users. Included creation of comprehensive technical documentation using Microsoft Word and Photoshop and user help guide.

- **Portfolio Website** (2023)

  - Utilised HTML, CSS, Javascript and integration with a Google Sheets Web App to present software and documentation projects. Also utilised GitHub pages to deploy the website and GitHub repositories to access the source code for each project.

Full list of software projects and repositories accessible at portofolio: https://jadeharris737.github.io.

EXPERIENCE:

- **QUALCOMM F.I.R.S.T. National Robotics Competition Team** (2018)

  - This involved working in a team of 5 members and designing and programming a robot using Android Studio to complete a series of objectives (both automated and controller-based) and competing at Macquarie University. Also documenting a development report of the project, and completed outreach promoting STEM to younger students within the school.

- **Girls Programming Network** (2019)

  - Completed the National Computer Science School (NCSS) Challenge through Grok Learning in Python.

- **NSW Dept Of Education Catalyst Lab Innovation Program** (2019)

  - Selected to participate in a Problem Definition Workshop designed to help the department better understand the challenges of 'Ethical Citizenship in the Time of AI'. Invited to give a presentation on 'What I need to know and learn to shape my world in the time of Artificial Intelligence'.

WORK EXPERIENCE:

- **Suncorp Internship** (2019)

  - Selected for a one-week intensive training program offering insight into the use of technology (specifically AI) in the banking industry. Involved in building a prototype for a budgeting app targeted at young adults and presenting a pitch to a panel including Suncorp's CFO.

- **Student Placement at the Australian Institute Of Entertainment** (2020)

  - One week of learning game development skills and building a platformer in Unity.

EMPLOYMENT:

- **Building, Owning, and Managing a Spigot Minecraft Server** (2014-2017)

  - Creating a website, designing graphics, configuring and altering Java plugins, advertising to build a community, and building and marketing a webstore that generated passive income. Form and collaborate with a team of staff members to support the servers playerbase.

- **Tutoring** (2019 - present)

  - Volunteered with tutoring for English and Mathematics at lunch times to assist younger grades from Year 10 of high school. After completing HSC, began Online tutoring aiding with Software Design and Development as well, using Zoom, Google Docs and Google Jamboard to facilitate remote lessons. Developed organisational and collaboration skills in helping students to achieve their full potential.