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Jason Tieu

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SUMMARY:

Innovative and driven final-year engineering student with a passion for technology and problem-solving. Strong foundation in STEM, coupled with hands-on experience in client engagement and collaborative projects, including QUT Motorsports. Adept at working in fast-paced environments, leveraging teamwork, leadership, and technical expertise to drive impactful solutions. Committed to continuous learning, customer-centric innovation, and using cutting-edge technology to deliver meaningful results.

EDUCATION:

2022 - 2025

Queensland University of Technology (QUT)

Bachelor of Engineering (Computer and Software Systems)
Current GPA: 6.0 / 7.0
Key Coursework:

- **Advanced Programming Concepts:**
  (Extensive exploration of both high-level and low-level programming languages; Python and C respectively)
- **Algorithms and Data Structures:**
  (Adept in fundamental algorithms and data structures; Pandas, binary trees, etc.)
- **Cybersecurity Fundamentals:**
  (Understanding of foundational principles and ideal practices in cybersecurity to develop secure software solutions)
- **Database Management Systems:**
  (Applied knowledge in designing, managing, and implementing relational database systems using SQL)
- **Engineering Mathematics:**
  (Mastery in utilizing engineering mathematics concepts for optimization, modelling, and analysis in both computer science and electrical engineering contexts)
- **Microprocessor Systems and Architecture:**
  (Study of microprocessor architecture, assembly language programming and interfacing of peripheral devices using Assembly and C)
- **Object-Oriented Programming:**
  (Advanced understanding and practical application of OOP principles using C#, Proficient in designing and implementing modular, scalable, and maintainable software solutions with encapsulation, inheritance, and polymorphism)

2016 - 2021

Forest Lake State High School

Senior Certificate
Key Achievements:

- Winner of the 2021 inaugural High School Esports League Australian Titles
- Offered a place at the QUT Summit Camp
- Won the 2021 Australian Defence Force Future Innovators Award

EMPLOYMENT HISTORY:

2024 - Present

Retail Consultant | Telstra

Skills Developed:

- **Customer Service Excellence:**
  Consistently met and exceeded customer expectations by delivering high-quality service and personalized assistance.
- **Sales Techniques:**
  Mastered effective sales techniques to achieve and surpass sales targets, contributing to overall store performance.
- **Product Knowledge:**
  Developed comprehensive knowledge of Telstra's product range and services, enabling accurate recommendations and solutions for customers.

Achievements:

- **Samsung Representative:**
  Appointed as the Samsung Representative, becoming the primary contact for Samsung product queries and support.

Challenges Overcome:

- **Transitioning to Retail:**
  Successfully transitioned into a retail role, quickly learning to sell products and provide excellent customer service without prior retail experience.

Tools and Technologies Used:

- **Retail Software:**
  Gained familiarity with point-of-sale systems and customer relationship management software. Utilized Telstra's internal systems for managing customer accounts and processing sales.

2022 - Present

Private Math and Science Tutor | Ezy Math & Tutor2You

Skills Developed:

- **Adaptability:**
  Demonstrated adaptability in tailoring tutoring sessions to accommodate diverse academic backgrounds and learning needs, fostering an inclusive and supportive learning environment.
- **Effective Communication:**
  Refined communication skills by explaining complex concepts in a clear and concise manner whilst adapting teaching methods to suit the individual learning styles of students.
- **Feedback Reception:**
  Developed the ability to receive and implement feedback from students, parents, or educational professionals, continually refining teaching methods for optimal effectiveness.
- **Time Management:**
  Honed time management skills to create structured lesson plans, allocate appropriate time to different topics, and ensure efficient use of tutoring sessions.

TECHNICAL SKILLS:

- **Programming Languages:** Python, C, C#, SQL, Java, JavaScript
- **Machine Learning & AI:** Deep learning (CNNs), heuristic search, classification models
- **Data Analysis & Processing:** Pandas, NumPy, OpenCV (for image processing)
- **Web Development:** Full-stack web development (HTML, CSS, JavaScript, Node.js, React)
- **Cloud Computing & Deployment:** AWS (ECS, Lambda, S3, DynamoDB), microservices architecture

RELEVANT SKILLS:

Communication and Collaboration:

- Strong ability to communicate technical concepts effectively to both technical and non-technical stakeholders.
- Experienced in cross-functional teamwork, adapting to evolving environments, and driving collaboration between engineering and business teams.
- Proven leadership skills in coordinating tasks, resolving technical challenges, and ensuring efficient communication in team-driven projects.

Software Development:

- **Auction House Command-Line Application:** Applied C# object-oriented programming to develop a structured command-line tool with optimized data handling and seamless menu navigation using Streams and Inheritance.
- **Cloud-Based Web Application Deployment:** Developed a full-stack web application and successfully deployed it using AWS services. Leveraging microservices for flexibility and cost-efficient cloud computing.
- **Data Analysis for Smart Infrastructure:** Employed Python's 'Pandas' library to identify, create, and handle IoT-driven insights regarding QUT's air conditioning infrastructure. Developed predictive algorithms to automate system scheduling, optimizing resource efficiency.
- **Microprocessor-Based 'Simon Says' Game:** Deployed low-level C and assembly programming to a microcontroller to create the 'Simon Says' game. Bit setting to different peripherals and LEDs on the microcontroller.
- **Study Scheduler Implementation using Java:** Designed and implemented a Java-based study scheduler to assist students in optimizing their study weeks. Utilized OOP principles to ensure modular, scalable, and maintainable code, integrating features for task prioritization and time management.
- **Vehicle Telemetry Data Analysis for QUT Motorsport:** Developed a MATLAB-based telemetry pipeline to process InfluxDB data, analysing motor speed, battery voltage, and lap times for performance optimization. Applied data filtering, computational analysis, and geographic mapping to refine track positioning, assess speed and acceleration trends, and evaluate energy consumption. Proposed machine learning-driven predictive modelling to enhance race strategy.

REFEREES:

Jaypee Layug	**Yao Lei**	**Penang Hua**
Store Manager at Telstra	Assistant Store Manager at Telstra	Territory Manager at Samsung
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