Aidan Wilson

Engineering and Computer Science Student

aidan.wilson@connect.qut.edu.au | 0490266927 | Brisbane, Australia

Driven, reliable 3rd year undergraduate double degree student at Queensland University of Technology. Seeking a challenging role to leverage prior knowledge and gain real-world experience. Motivated to learn from senior members of industry while sharing innovative ideas and concepts.

LINKS

LinkedIn   https://www.linkedin.com/in/aidan-w/

GitHub   https://github.com/afne

PROJECTS

Express.JS Application with API Documentation Development, Deployed on Microsoft Azure   2023
Front and Back-end development

- Utilisation of JavaScript API calls to access real world live data
- Microsoft azure server setup and runtime maintenance
- Technical usage of MySQL database and error handling
- Creation of thorough Swagger API documentation for maintainability
- Efficient file management and organisation including images, numerous stylesheets and icons

React-based Movie Searcher Web Application using REST API   2023
Front-end development

- Integrated RESTful APIs to fetch movie data, enabling real-time updates and seamless interaction with an external database
- Created a comprehensive user-centric solution with effective navigation, loading optimisation and search filters/sorting
- Adopted an agile development approach, facilitating iterative development, frequent feedback incorporation, and timely project delivery.
- Used core CSS design techniques including flexbox, parallax scrolling and hover zoom to focus on user-centric development

User Experience Research Proposal and Evaluation with Real-World partner   2023
User experience

- Meeting with client to assess needs and expectations
- Holding of user experience testing and focus group style interviews with potential customers to assess requirements
- Thought-out redesign of client application, improving useability

- Comprehensive presentation of recommendations to best suit client customers' needs

Implementation of 'Simon-Says' style game on Custom Microcontroller   **2023**
Backend development and physical implementation
- Usage of ATtiny1262 microcontroller to produce a fully-functioning memory game
- Implemented core logic in C, incorporating assembly language routines for time-critical tasks and hardware interfacing
- Integrated a potentiometer for input, a 7-segment display for output, and a buzzer for audio feedback
- Demonstrated expertise in embedded systems programming, C, and assembly language

EXPERIENCE

Sky and Lotus Rooftop Lounge and Nightclub   **Fortitude Valley**
Bar/Duty Manager   Feb 2023 - Present

- Provision regular training and staff development
- Stock maintenance and product acquisition
- Generation of promotions and advertising campaigns
- Production of weekly rosters to suit venue needs

University of Queensland, Customs House   **Brisbane, Australia**
Banquets Food and Beverage Attendant   Feb 2022 - Present

- Service of food and beverage adhering to Responsible Service of Alcohol protocol
- Curating event spaces to match client specification

EDUCATION

Queensland University of Technology   **Brisbane, Australia**
                                                  2022 - 2026
Bachelor of Engineering (Honours) (Electrical Engineering) / Bachelor of Information Technology (Computer Science

GPA: 5.5/7

Extracurricular: Electrical Engineering Student Society, Mechanical Engineering Student Society, QUT Code Network

Relevant Coursework: Information Security, Discrete Structures, Web Development, IT Systems Design, Microprocessors and Digital Systems, Database Management, Electronic Design, Electrical Engineering Mathematics

Mansfield State High School   **Brisbane, Australia**
                                          2016 - 2021
QCE

ATAR: 96.10

Extracurricular: Technology Integrated Curriculum Program, Football Development Program, UK Football Tour

Awards: Academic Excellence '16, '17, '18, '19, '20, '21

REFERENCES

Amber Morewood   **0431232056**
Previous Manager at Customs House (University of Queensland)   amorewood@hotmail.com

Christina Tran-Pham   **0498965302**
Sofitel Brisbane Central, Customs House (University of Queensland)   c.tranpham@uq.edu.au