# DUC TIEN (TIM) BUI

Adelaide, South Australia
Visa 485 (Post-Study Work) to 2/2028

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## SUMMARY

- Motivated and adaptable Master of Information Technology graduate from Flinders University actively seeking entry-level positions in Information Technology, specialising in Software Engineering, Development, or Data Analysis.
- Combines IT expertise with financial knowledge from a Bachelor's degree in Accounting and Auditing, offering a unique blend of technical and business acumen.
- Demonstrated ability to swiftly learn new technologies and thrive in dynamic work environments, driven by a passion for continuous growth and development.

## TECHNICAL SKILLS

- Data Analysis: **Power BI**, **Excel**, **SQL**, SQL Server, Python.
- Programming: **C#**, **Swift**, SwiftUI, Java.
- Tools: Git, GitHub, Xcode, VS Code, Jira.

## SOFT SKILLS

- A **quick learner** committed to **continuous learning and improvement**, adept at rapidly acquiring new technologies as evidenced by successful university projects and ongoing self-study initiatives.
- **Meticulous attention to detail** and a **dedication to delivering high-quality work**, showcased by consistently achieving High Distinction in all assignments.
- Proficient in **Microsoft Office** and other collaboration tools, with experience preparing reports for academic projects.
- Developed **strong organisational skills** through effective project management and report creation.
- Applied **robust problem-solving abilities** and analytical thinking to identify and resolve complex issues swiftly.
- **Effective collaboration** with team members and demonstrated ability to work independently to achieve project goals.

## EDUCATION

### Master of Information Technology, Flinders University, Adelaide, Australia (2021-2022)

- Graduated with a GPA of 6.81/7 (**Link to transcript**).
- Received Chancellor's Letters of Commendation for excellent academic performance.
- Awarded a University Medal for outstanding academic performance.

### Bachelor of Accounting (Major: Auditing), National Economics University, Hanoi, Vietnam (2012-2016)

- Recognised as a top high-performance student with a GPA of 3.73/4, receiving scholarships in all semesters.

## EXTRACURRICULAR

### Standard Bank Software Development: Job Simulation on Forage (3/2024)

- Completed a job simulation developing a new feature for Standard Bank's mobile application for the software development team.
- Developed a new budgeting feature for the mobile app using Swift and UIKit to let users set their budget and track their performance against it.
- Used Cuckoo to mock data responses in Swift and followed a test-driven development approach to verify that the API returned data in the correct format.

### Commonwealth Bank Software Engineering: Job Simulation on Forage (2/2024)

- Completed a job simulation focused on backend and frontend development for Commonwealth Bank's Software Engineering team.
- Extended the backend using C# to enable icons, gaining proficiency in .NET, MongoDB, Postman, and Git.
- Modified an existing React/Redux frontend to enable icons, expanding expertise in React, Redux, TypeScript, NPM, and Git.
- Strengthened coding skills and learned unit testing with C#, xUnit, and .NET, ensuring comprehensive code coverage and support for icons.
- Improved Git and GitHub skills, emphasizing effective communication through the submission of changes for team review.

### Power BI Virtual Case Experience, PwC Switzerland: Job Simulation on Forage (12/2023)

- Completed a job simulation where I strengthened my PowerBI skills to understand clients and their data visualisation needs better.
- Demonstrated expertise in data visualisation through the creation of Power BI dashboards that effectively conveyed KPIs, showcasing the ability to respond to client requests with well-designed solutions. The report can be seen **here**.
- Strong communication skills reflected in the concise and informative email communication with engagement partners, delivering valuable insights and actionable suggestions based on data analysis.
- Leveraged analytical problem-solving skills to examine HR data, particularly focusing on gender-related KPIs, and identified root causes for gender balance issues at the executive management level, highlighting a commitment to data-driven decision-making. The report can be seen **here**.

### Data Analytics Consulting Virtual Internship, KPMG AU: Job Simulation on Forage (11/2023)

- Completed a simulation focused on advising a client on customer targeting with the Data, Analytics & Modelling team.
- Assessed data quality and completeness in preparation for analysis.
- Analysed data to target high-value customers based on demographics and attributes.
- Developed dashboards to communicate findings with visuals, which can be seen **here**.

### CPA Australia (2014-2018)

- Completed all CPA Australia Foundation Exams and 3 Professional level Exams.

## CERTIFICATIONS

- Microsoft Certified: Power BI Data Analyst Associate – PL300 (2/2024)
- Microsoft Power BI Data Analyst: Professional Certificate by Microsoft on Coursera (1/2024)
- HackerRank SQL Advanced (4/2024)
- HackerRank C# Basic (4/2024)
- HackerRank Java Baic (4/2024)

## PROJECTS

For project details, please click on each project's title, or visit my **Portfolio** page for more.

### 454 illustrator website - E-commerce website (in process)

Using **.NET, ASP.NET Core MVC**, and **Razor** to create and deploy an e-commerce site for showcasing and selling illustrations. Employing **Visual Studio 2022** and **SQL Server Management Studio** for CRUD operations, **Identity Framework** for user authentication, and Stripe for payments. Gaining skills in large-scale project architecture, custom tag helpers, and Azure deployment. Mastering the latest **ASP.NET Core MVC** advancements for scalable web apps.

### Customer Churn Analysis (10/2023)

**Overview**
Utilised Power Query, DAX, and visualisation tools within Power BI to analyse a fictional telecom company's dataset, examining customer churn patterns and facilitating data-driven insights for retention strategies.

**Technologies and Tools used**
Power BI, DAX, Power Query.

**My work**
- Checked for duplicate or missing values; performed a sense check with other internal data sources.
- Calculated columns and measures, investigated churn patterns and made appropriate visualisations.
- Organised the visualisations created in the previous steps into final report and dashboard.

### Resell Track (9/2023)

**Overview**
An iOS app written by SwiftUI that works on iPhones, iPads and Macs. It helps users organise purchased items, track their value, and record sales.

**Technologies and Tools used**
Swift, SwiftUI, Github, Xcode, AppMockUp, Canva, Test Flight, App Store Connect.

**My work**
- Sole developer of the Resell Track iOS app using Swift and SwiftUI.
- Conceptualised and designed an intuitive interface for organising purchases, tracking values, and recording sales.

- Implemented core functionalities, enabling users to add items, record sales, and undo resale actions.
- Conducted testing using TestFlight and managed deployment on the App Store through App Store Connect.
- Utilised GitHub for version control and codebase management.

## Software Development Project (5/2022)

**Overview**

Created an application in Java to automate some simple and complex calculations that are common in the dive industry.

**Technologies and Tools used**

Java, Junit, SVN, Swing, Apache NetBeans, IntelliJ.

**My work**
- Built a text-based prototype that accepts user input and displays the requested calculation.
- Used JUnit for unit testing.
- Built a functional graphical application.
- Wrote appropriate JavaDoc commenting and inline comments to assist future developers.

## Web Based Systems Development Project (10/2021)

**Overview**

Developed a XAMPP-enabled website with a backend database for an e-commerce business without using any web frameworks (Teamwork, 5 people).

**Technologies and Tools used**

HTML, CSS, Javascript, PHP, MySQL, XAMPP, Github, VS Code, Trello, Microsoft Teams.

**My work**
- Developed the Edit and Delete Product functions for the website using PHP, HTML, and CSS.
- Collaborated with team members to ensure the website was visually appealing and user-friendly.
- Contribute to project ideation by brainstorming ideas for the website's features and functionality.
- Participated in database design to ensure efficient data storage and retrieval.
- Assisted in testing to ensure the website's functionality and usability.
- Contributed to report writing to document the project's progress and outcomes.
- Demonstrated teamwork and communication skills to achieve project goals.
- Applied agile methodologies to manage the project timeline and deliverables effectively.

## Data Engineering Project (5/2022)

**Overview**

Used the power of Twitter API to collect, analyse and visualise one week of data related to Elon Musk to gain insights into the social media behaviour of Twitter users (Teamwork, 3 people).

**Technologies and Tools used**

R, R Markdown, R Studio, Twitter API, Microsoft Teams.

**My work**
- Contributed significantly to the successful outcome of the project, demonstrating technical proficiency and teamwork skills to achieve a perfect score of 100/100.
- Proposed ideas and outlined the solution to the problem.
- Planned and managed project progress, including allocating tasks to team members based on their different skill levels.
- Used RStudio and R Markdown to conduct exploratory data analysis, natural language processing, and network analysis.
- Created an interactive HTML report to communicate complex information effectively.

## Data Modelling Project (10/2021)

**Overview**

Designed and implemented a relational database to manage the fleet of hire vehicles for a fictional car rental company.

**Technologies and Tools used**

SQL, SQLite, VS Code, draw.io.

**My work**
- Constructed the information model, including Entity Data Dictionary, Relationship Data Dictionary, Relationship-Entity Data Dictionary, Attributes Data Dictionary.
- Drew up an Entity-Relationship Diagram (ERD).
- Constructed the logical model.

- Built a SQL database using SQLite.
- Populated the database with sample data and executed queries to ensure that the schema was correctly implemented.

## Devops Project (10/2022)

**Overview**

Developed an Online Voting System and applied DevOps principles and tools for the project's development processes (Teamwork, 10 people).

**Technologies and Tools used**

C#, .NET Core API, Entity Framework, SQL Server, SQL Management Studio, Git, VS Code, Azure Cloud, Azure DevOps, Microsoft Teams.

**My work**
- Conducted initial research to understand the project requirements and the Australian voting system.
- Participated in requirements gathering and analysis.
- Contributed to database design.
- Developed three APIs.
- Collaborated with team members to integrate modules.
- Edited and finalised project report for submission.

## Cloud Computing Project (10/2022)

**Overview**

Used Node-RED and other cloud services and tools to develop a cloud-hosted application to assist with Inventory Management (Teamwork, 4 people).

**Technologies and Tools used**

IBM Cloud Foundry, IBM Cloud Object Storage, IBM Cloudant Database, IBM Watson Assistant, IBM Continuous Delivery, Node-RED, Nectar Cloud instance, VS Code, Microsoft Teams.

**My work**
- Actively participated in brainstorming sessions to generate ideas and suggested solutions for the app's functionalities.
- Developed and implemented app functions to automatically send alert emails for low-stock and nearly expired products using Node-RED.
- Collaborated with team members in building a Chatbot using IBM Watson Assistant.
- Created and edited demo video using iMovie to showcase the app's features and capabilities.
- Maintained open communication with team members, regularly providing updates and feedback to ensure project success.

# OTHER PROFESSIONAL EXPERIENCE

### Freelancer (1/2024 – 3/2024)
- Designed a bespoke Excel-based roster planner for a client, enabling efficient management of personnel schedules.
- Utilised advanced Excel functionalities, including VLOOKUP, data validation, macros, and VBA, to automate scheduling processes and enhance usability.
- Collaborated closely with the client to tailor the solution to their specific needs, delivering a customised tool that streamlines scheduling tasks and improves productivity.

### Freelancer (2016-2018)
- Provided virtual assistant services, specializing in data entry, internet research, and email management for diverse clients.
- Conducted translation, proofreading, and editing of various materials (English-Vietnamese), including business documents, blogs, codes, and personal correspondence.
- Assisted clients with website and social media management, involving content creation and scheduling.
- Coordinated closely with clients to ensure project specifications were met within stipulated timelines and budget constraints.

### Supporter Care Intern, ActionAid Vietnam (3/2017-7/2017)
- Contributed to building and maintaining strong relationships with supporters through various communication channels.
- Prepared and monitored communications for local rights programs (LRPs), including drafting content and coordinating translations.
- Managed a child sponsorship database system, ensuring timely and accurate data entry.
- Supervised a team of 10 volunteers in various tasks, including event planning and outreach.
- Conducted translations and other tasks to support program activities.

## Audit Intern, BDO Vietnam (12/2015-3/2016)

- Supported management and senior auditors in daily tasks, encompassing paperwork, data input, document checking, and translation of documents from English to Vietnamese.
- Participated in financial audits of client accounts, verifying accuracy and compliance with regulations and standards.
- Assisted in the preparation of audit reports and provided administrative support to the Appraisal and Construction departments as needed.


Portfolio


Resume


LinkedIn