

Duc Tien (Tim) Bui

Glandore, SA 5037

Visa 485 (Post-Study Work) to 2/2028

Mobile phone: 0481998011

LinkedIn: [linkedin.com/in/tienbui1508](https://www.linkedin.com/in/tienbui1508)

Email: tienbui1508@gmail.com

Portfolio: tienbui1508.github.io

SUMMARY

- Motivated and adaptable Master of Information Technology graduate from Flinders University, passionate about leveraging advanced skills in SQL, Power BI, Python, and Excel.
- Actively pursuing an entry-level position in Information Technology, focusing on Software Engineering, Development, or Data Analysis.
- Demonstrated proficiency in developing comprehensive reports and insightful analyses during university projects, achieving High Distinction in all assignments.
- Currently building iOS programming skills in Swift and SwiftUI, alongside honing proficiency in data analysis tools, including SQL, Power BI, Python, and Excel.
- Seamlessly combines IT expertise with financial knowledge from a Bachelor's degree in Accounting and Auditing, offering a unique blend of technical and business acumen.
- Exposure to various technologies and tools through university and personal projects, showcasing versatility in Swift, Java, C, R, Node-RED, PHP, HTML, CSS, JavaScript, and Python.

TECHNICAL SKILLS

- Data Analysis: Power BI, Excel, SQL, Python.
- Relational Databases: SQL Server, MySQL.
- Programming Languages: Swift, Java, C, HTML, CSS, JavaScript, PHP, R.
- Frameworks: SwiftUI, Swing.
- Tools: Git, GitHub, Azure DevOps, Xcode, VS Code, Jira.

SOFT SKILLS

- Quick learner and adaptable to new technologies, as demonstrated by the successful completion of university projects.
- Achieved High Distinction in all assignments, showcasing meticulous attention to detail and a commitment to delivering high-quality work. Proficient in MS Word, PowerPoint, and Excel, with experience preparing reports for academic projects.
- Developed strong organizational skills through effective project management and report creation.
- Applied robust problem-solving abilities and analytical thinking to swiftly identify and resolve complex issues.
- Collaborated effectively with team members and demonstrated the 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)

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

EXTRACURRICULAR & CERTIFICATIONS

Microsoft Power BI Data Analyst: Professional Certificate by Microsoft on Coursera (1/2024)

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 in this [link](#).

- 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 in this [link](#).

CPA Australia (2014-2021)

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

PROJECTS

For project details, please click on each project's title, or visit my [Portfolio](#) page for more.

Customer Churn Analysis

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

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

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

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

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

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

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

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

Casual Kitchenhand, Various Restaurants (2018-2024)

- Played a crucial role in ensuring the smooth operation of kitchens by handling cooking, food preparation, and dishwashing tasks, maintaining high cleanliness standards.
- Excelled in high-pressure environments, showcasing effective teamwork, precision in task handling, and a commitment to maintaining quality standards.

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.

