DUC TIEN (TIM) BUI

Glandore, SA 5037
Mobile phone: 0481998011
Email: tienbui1508@gmail.com

Visa 485 (Post-Study work) to 2/2028
LinkedIn: linkedin.com/in/tienbui1508
Portfolio: tienbui1508.github.io

SUMMARY

- Motivated and adaptable Master of Information Technology graduate from Flinders University.
- Seeking an entry-level position as a Software Engineer, Developer, or Data Analyst.
- Currently building iOS programming skills in Swift and SwiftUI.
- Currently building proficiency in data analysis with SQL, Power BI, Python and Excel.
- Have a foundation in various IT areas through the master's degree, including computer programming, software engineering, and data engineering.
- Exposed to different technologies and tools through university projects, including Java, C, R, Node-RED, PHP, HTML, CSS, JavaScript, SQL, Python.

TECHNICAL SKILLS

- **Programming languages:** Swift, Java, C, HTML, CSS, Javascript, PHP, Python.
- **Framework:** SwiftUI, Swing, JUnit.
- **Data Analysis:** Power BI, Excel, SQL, T-SQL, Python, R.
- **Relational Database:** SQL Server, MySQL, SQLite.
- **Tools:** Git, GitHub, Azure DevOps, Xcode, VS Code, IntelliJ IDEA, Jira, Trello, Node-RED.
- **Other skills:** Requirement Elicitation Techniques, Database Design.

SOFT SKILLS

- Demonstrated ability to quickly learn and adapt to new technologies and environments, resulting in the successful completion of multiple university projects.
- Achieved High Distinction in all university projects, demonstrating strong attention to detail and commitment to delivering high-quality work Proficient in MS Word, PowerPoint and Excel with experience preparing reports for university projects.
- Developed strong attention to detail and organisational skills through project management and report creation.
- Utilised strong problem-solving abilities and analytical thinking to identify and resolve complex issues quickly.
- Collaborated effectively with team members and worked independently when needed to achieve project goals.

EDUCATION

MASTER OF INFORMATION TECHNOLOGY, FLINDERS UNIVERSITY

ADELAIDE, AUSTRALIA (2021-2022)

- Graduated with an excellent GPA: 6.81/7.
- Received 2 Chancellor's Letters of Commendation for excellent academic performance.
- Awarded a University Medal for outstanding academic performance.
- Achieved High Distinction grades for all University Projects.

BACHELOR OF ACCOUNTING (MAJOR: AUDITING), NATIONAL ECONOMICS UNIVERSITY

HANOI, VIETNAM (2012-2016)

- GPA: 3.73/4.
- Graduated with an excellent degree.

OTHER COURSES

- Microsoft Power BI Data Analyst – Coursera (In progress)
- Data Analyst in Power BI – DataCamp (In progress)
- Data Analyst in SQL – DataCamp (In progress)
- CPA Australia: Completed all CPA Australia Foundation Exams and 3 Professional level Exams.

PROJECTS

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

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

FREELANCER (2016-2018)

- Provided virtual assistant services, including data entry, internet research, and email management for multiple 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, including content creation and scheduling.
- Coordinated with clients to ensure project specifications were met on time and within budget.

SUPPORTER CARE INTERN, ACTIONAID VN (3/2017-7/2017)

- Assisted in building and maintaining strong relationships with supporters through various communication channels.
- Prepared and monitored communications to supporters for local rights programs (LRPs), including drafting content and coordinating translations.
- Managed 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 translation and other tasks as assigned to support program activities.

AUDIT INTERN, BDO VIETNAM (12/2015-3/2016)

- Assisted management and senior auditors in daily work, including paperwork, inputting data, checking documents, and shipping documents Conducted translation of documents from English to Vietnamese.
- Participated in financial audits of client accounts to verify accuracy and compliance with regulations and standards.
- Assisted with the preparation of audit reports.
- Assisted the Appraisal and Construction departments with various tasks and provided administrative support as needed.

Portfolio

Resume

LinkedIn