BA ANH QUAN (BRIAN) PHAM

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SUMMARY

Recent graduate with a Bachelor's Degree in Cybersecurity from the University of Technology Sydney (2025). Passionate about IT and cybersecurity, with foundational knowledge gained through academic projects in blockchain development, IoT security, and network intrusion detection. Eager to apply entry-level technical skills, including basic Python scripting, data analysis, and hardware integration, in an internship role. Strong transferable skills in problem-solving, organization, and teamwork from prior administrative and supervisory experience. Seeking an IT internship to gain hands-on experience, contribute to team projects, and grow in a supportive environment while building proficiency in tools like Python.

EDUCATION

University of Technology Sydney
Bachelor's Degree in Cybersecurity
2023 – 2025

University of Technology Sydney Insearch
Diploma of Information Technology
2022-2023

REFERENCE

Provide upon Requests

SKILLS

- Technical Foundations: Basic Python scripting ; data manipulation with Pandas; blockchain basics (Ethereum, Geth on Linux); IoT hardware integration (Raspberry Pi, sensors); network security concepts (intrusion detection, vulnerability assessment).
- Analytical & Problem-Solving: Identifying issues, analyzing data, and implementing simple solutions; feature engineering for machine learning support; secure transaction processing.
- Soft Skills: Strong organizational and time-management abilities; exceptional communication and interpersonal skills; ability to work independently or in teams; detail-oriented with multitasking capability.
- Transferable from Experience: Administrative support (document handling, scheduling); basic leadership (team motivation, task delegation); customer service (active listening, empathy, issue resolution).

PROFESSIONAL EXPERIENCE

CEO Secretary (Family Business)

Thang Long LMT. | 2018 - 2022

- Efficiently managed calendars, appointments, and travel arrangements.
- Prepared and disseminated essential documents, including reports and presentations.
- Ensured confidentiality and maintained meticulous organization of sensitive documents.
- Provided comprehensive administrative support to executives and guests.

Supervisor

Kurtosh. | October, 2022 - December, 2023

- Supervised daily café operations, ensuring smooth service, positive customer experiences, and compliance with food safety standards.
- Trained and managed a team, handling scheduling, inventory, and staff development to maintain an efficient and collaborative work environment.
- Increased sales through upselling strategies, promoted seasonal menu items, and managed cash handling, POS systems, and financial reconciliations.

Branch Manager

Mr Max Dessert Group - Riverwood Branch| November, 2023 - Present

- Leading and motivating a team of 16 employees, delegate tasks, and inspire employees to achieve business goals.
- Excellent interpersonal skills, patience, and problem-solving abilities to ensure customer satisfaction.
- Proficiency in budgeting, forecasting, and cost control to optimize profitability.
- Streamlining processes, optimizing staffing, and maintaining high standards of food safety and hygiene to ensure smooth operations.

COMPLETED PROJECT (ACADEMIC FOCUS)

Private Ethereum Blockchain Development Project

- Designed and deployed a private Ethereum blockchain using Geth on Linux.
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- Configured the genesis file with a custom chain ID and low mining difficulty.
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- Created and managed Externally Owned Accounts (EOAs) for blockchain operations.
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- Set the Etherbase account to receive mining rewards and execute mining processes.
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- Processed transactions by unlocking accounts, submitting to the transaction pool, and mining blocks.
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- Demonstrated skills in Ethereum's proof-of-work, account management, and secure transaction processing.

Cyberscope- Detecting tampered and compromised IoT device

- Developed a prototype using Raspberry Pi to detect physical tampering and software modifications in IoT devices, enhancing security for smart systems.
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- Implemented Python scripts with GPIO, hashlib, and requests libraries to monitor sensors and send real-time alerts via Thingspeak, aligning with I2Map integrity verification concepts.
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- Configured Raspbian OS and integrated hardware components (PIR sensors, SSR) to create a proof-of-concept solution for a university capstone project at UTS.
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- Collaborated with a group to address challenges like resource constraints and hardware vulnerabilities, documenting findings for an academic report.

Network Intrusion Detection System

- Processed and cleaned large network packet datasets using pandas for intrusion detection analysis.
- Engineered flow-based features, such as packet count, average packet length, and SYN flag count, by parsing and aggregating data with pandas.
- Efficiently manipulated and transformed structured data in pandas DataFrames to support machine learning model training and network traffic analysis.

ACHIVEMENTS

- Achieved High Distinctions in all university projects, showcasing dedication to learning IT concepts.
- Improved operational efficiency in prior roles (reduced costs by 5.3%, increased sales by 7%), demonstrating problem-solving applicable to IT optimizations.
- Reduced employee turnover by 10% through motivation strategies, highlighting leadership potential for team-based IT internships.
- Implemented a new inventory system, gaining practical experience in process improvement transferable to IT tools.