

Jerry Nguyen

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EDUCATION

BS Computer Science

Queensland University of Technology, Brisbane, QLD 6.4/7.0

Feb 2019 - Jun 2023

Diploma Information Technology

Queensland University of Technology, Brisbane, QLD 7.0/7.0

Jun 2018 - Feb 2019

BS Computer Engineering

Ho Chi Minh University of Technology (Bach Khoa University), Ho Chi Minh, Vietnam 8.5/10.0

Aug 2017 - Jun 2018

High School Diploma

Nguyen Huu Cau High School, Ho Chi Minh, Vietnam 8.9/10.0

Jun 2014 - Jun 2017

EXPERIENCE

Web developer

T Associates Pty. Ltd, Brisbane, QLD

Feb 2021 - Dec 2024

- Hosted and maintained an e-commerce website for bakery wholesale under the supervision of Director, Tivian Trinh.
- Enhanced performance using Cloudflare, QUIC.cloud, and LiteSpeed Cache, boosting online traffic and sales.
- Improved inventory management through website optimization.

Developer/Team Leader

QUT School of Computer Science, Brisbane, QLD

Feb 2020 - Nov 2020

- Provided APIs to support research projects and delivered real-time COVID-19 data visualization tools under the supervision of Prof, Jim Hogan.
- Designed backend APIs with MongoDB and Express.js; frontend using React.js.
- Developed CI/CD pipelines with Heroku for streamlined deployment.
- Managed an Agile workflow using Yodiz, Git feature branches, and Docker for project deployment.

Hardware Technician

Tech22, Brisbane, QLD

Feb 2021 - May 2021

- Diagnosed and repaired hardware/software issues for PCs, phones, and tablets.
- Configured custom PCs and networks, including DNS servers and CCTV setups.
- Enhanced client satisfaction by streamlining inventory and ticket-tracking systems.

Software/Hardware Technician

PC248 - Pacific Travel, Ho Chi Minh city, Vietnam

Jul 2016 - Jul 2018

- Sell and provide consulting on PC setup for clients under the supervision of Director, Quoc Vo Peter Tran.
- Built and optimized PC configurations and networks.
- Delivered customized software and hardware solutions for clients' professional needs.

TECHNICAL SKILLS

<i>Programming Languages</i>	C, C#, Java, JavaScript, Python, MATLAB, Pascal, R
<i>Web development</i>	Node.js, Express.js, React.js, jQuery
<i>Database</i>	MongoDB, MySQL, MS Access
<i>Cloud & DevOps</i>	AWS and Azure, Docker, Heroku/Vercel CI/CD
<i>Sysadmin</i>	VMware ESXi, Proxmox
<i>Networking</i>	Wireshark, VLANs, RADIUS, IPv6
<i>Machine Learning</i>	Tensorflow, Keras
<i>Others</i>	Soldering, Basic circuitry, Networking setup, Linux/Windows Servers, Hardware diagnosis

NOTABLE PROJECTS

Covid 19 GIS *React.js, Node.js, Express.js, MongoDB, Vercel, Redis, Azure Blobs* <https://covid19-gis.vercel.app/>
Covid 19 Geographic Information System with Restful API server

Product Mapping *Node.js, Express.js, Pugjs, Vercel, Azure Redis, Azure Blobs* <https://mashup-api.vercel.app/>
Product Mapping - Explore eBay products, track popularity, and analyze availability effortlessly!

Process Overseer *C, System Programming, Cmake*
An ssh-like program for executing and controlling server processes through client terminal by using socket programming with the help of cmake.

Wireguard Server with IPv4/IPv6 on Oracle *VLAN, Subnetting, Routing, NDP, Oracle Cloud*
Customized Wireguard VPN Server on Oracle to bypass CGNAT problem and provide full access to IPv6

5G Link Aggregation *Link Aggregation, Load Balancing, OpenWRT, Raspberry Pi, Oracle Cloud*
Customized link aggregation and load balancing between 5G and Fibre network using a custom OpenWrt firmware to enhance network performance in rural areas

ThinkPad T400 Modification *EEPROM Programming, Bios Mod, Coreboot, Soldering*
Hardware modification to my Thinkpad T400 to enable Quad-core support, Wifi 6, NVMe Storage and 5G connection

AMD Radeon™ RX 7900 XTX Overclocking *Watercooling, EEPROM Programming, Bios Mod, Shunt Mod*
Push my GPU to the limit with extreme hardware overclocking using liquid metal, shunt mod and watercooling

Advanced Object Recognition *Python, TensorFlow, DCNN, Image Processing, Data Analysis*
Propose a new method for training an object classification machine learning model that is both cost-effective and highly accurate.

ACHIEVEMENTS AND CERTIFICATE

Microsoft Certified: Azure Fundamentals *March 2025* Microsoft

Dean's List Award *Feb 2020* Professor, Troy Farrell
Admitted to the Dean's List of Students with Excellent Academic Performance

Dean's List Award *Sep 2019* Professor, Gordon Wyeth
Admitted to the Dean's List of Students with Excellent Academic Performance

Certificate of Achievement *Mar 2019* Director, Kenneth Beutel
Awarded to the student achieving the highest mark in Building IT Systems

Certificate of Achievement *Mar 2019* Director, Kenneth Beutel
Awarded to the student achieving the highest mark in Programming Principles

Certificate of Excellence *Mar 2019* Director, Kenneth Beutel
Awarded to the student who has graduated with GPA of 7 in Diploma

QUT International Merrit Scholarship *Jul 2018* Director, Kenneth Beutel

Gold Medalist, Ho Chi Minh City Physics Olympiad 2015

Silver Medalist, Ho Chi Minh City Physics Olympiad 2016

Bronze Medalist, Ho Chi Minh City Physics Olympiad 2017

Achieved global ranking for GPU overclocking performance: 3DMark Time Spy Results 2023

REFERENCES

Jason - Xurong Liang

Full-time Ph.D. student, research and teaching assistant at UQ

Applied Scientist Internship, Amazon

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Ashley Poon

Cloud Engineer, Cloud Kinetics

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Laura Lim

Bridge Software Engineer, FPT Software

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Tivian Trinh

Director, T Associates Pty. Ltd.

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Jim Hogan

Professor, QUT Science and Engineering Faculty

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Donna Kingsbury (formerly Teague)

Professor, QUT Science and Engineering Faculty

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Ashley Stewart

Computer Science Lecturer, University of Queensland

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