DAVID NGUYEN

0412 855 546 | davidnguyen4898@gmail.com
Unit 4 – 45 Salisbury Street, Canley Heights, 2166

SUMMARY

Motivated 4th year Bioinformatics engineering student at the University of New South Wales capable of displaying:

- Proficient problem solving and analytical skills developed through university courses
- High levels of communication and leadership skills strengthened from work experience
- Advanced ability to learn fast and produce results demonstrated in projects

EDUCATION

Bachelor of Engineering (Honours) – Bioinformatics Engineering   2017 – Present
University of New South Wales
- Major: Computer Science and Biology

Higher School Certificate   2011 – 2016
Fairvale High School
- ATAR 84.90
- Caltex All Rounder Award 2016

PROJECTS

Bioinformatics Engineering Pipeline (Python and Bash)   May 2020 – Present
A university course group project where a client required a pipeline for sorting large files on criteria and piped to third party software to visualise results for biological analysis.
- Designed a divide and conquer algorithm leading to a 90% optimised runtime
- Researched and implemented multi-threading in algorithm to overcome optimisation problems
- Redesigned codebase with documentation to enhance pipeline readability
- Devised readme documentation to further readability of project
- Implemented hash-table data structure to improve overall time complexity of project
- Co-authored user stories in a team of 5 to be incorporated into project planning software

EXPERIENCE

Retail Bar and Food Attendant   June 2017 – Present
Venueslive
- Coordinating POS systems for business transactions
- Guiding and maintaining stock control
- Maintaining a neat and tidy work environment under directions from shift supervisor

Delivery Driver   January 2019 – January 2020
Pizza Hut
- Operated POS systems for business tractions
- Managed 20+ customer relations, interfacing with team members to ensure smooth shift operation

- Promoted goods and initiated sales to customers leading to 10% boosted sales on peak days
- Led team of 2+ drivers to efficiently deliver goods by delegating delivery routes

EXTRACURRICULAR ACTIVITIES

Volunteer   2016 – 2019
Cabramatta Moon Festival
- Maintenance of event equipment and facilities
- Managed 1+ volunteers in festival practices
- Coordinated and assisted sales

Volunteer   2016 – 2019
Bring it on! Youth Festival
- Logistical support for event proceedings
- Enhanced communication skills with interactions with patrons
- Collaborated in setting up event equipment and facilities

TECHNICAL SKILLS

Programming Languages
- Python – Proficient
- Bash, Perl, C, C++, JavaScript – Basic

Operating Systems
- Unix, Linux – Proficient
- MacOS, Windows OS – Intermediate

Other
- SQL, SQLITE, PostgreSQL – Intermediate
- HTML, CSS – Basic
- Git – Intermediate

Languages
- English – Native
- Vietnamese – Native

REFEREES

Details of referees available upon request.