

# 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 transactions
- 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
- JavaScript/ReactJS – Intermediate
- Bash, Perl, C, C++ – 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.