

# BINYIN PATRICK DI

Phone: +61 (0) 466967005

Email: [patrick\\_di@icloud.com](mailto:patrick_di@icloud.com)

[LinkedIn](#) | [WebPage](#)

Merriton SA  
Australia 5523

## SKILL SUMMARY

---

- Technical Proficiency: Field Sampling, Drone Imagery, Statistical Analysis
- Academic Knowledge: Crop Phenotyping, Horticulture, IPM, Plant Pathology
- Communication Skills: Independent research and reporting
- Teamwork: facilitate and assign tasks with colleagues and teammates

## EDUCATION

---

*Bachelor of Agricultural Science (Honours)*

Undergraduate, The University of Queensland

2017- 2020

*Human Rights Violations in Germany*

Exchange, Humboldt University of Berlin (Humboldt-Universität zu Berlin)

06-24 January 2020

*Tropical Agriculture (AGRC3054)*

International Fieldtrip, Gadjah Mada University (Universitas Gadjah Mada)

04-21 July 2019

*Victorian Certificate of Education (VCE)*

Australian Years 11 & 12, High School Certificate

2014-2016

## WORKING EXPERIENCE

---

**Precision Agriculture Specialist (Crystal Brook)**

*Rocky River Ag Services*

Nov 2021 – Nov 2022

- Created boundary and field mapping for customers
- Managed customers' data
- Installed a wide range of Trimble and CNH products
- Analysed and diagnosed fault codes
- Maintained RTK radio / NTRIP network
- Provided instructions and suggestions to customers

**Casual Research Assistant (Various locations)**

*The University of Queensland*

July 2020 – Nov 2021

- Collected qualitative data, through ground surveys, plant partitioning, and UAV flights
- Generated, analysed and visualised results
- Created automatic pipelines for multiple research projects
- Developed high-level report writing skills through submission of milestone report to supervisors
- Liaised with key researchers and parties to facilitate and solve the issues
- Installed and surveilled sensors at multiple sites
- Assisted other miscellaneous tasks

### **Student Intern (Brisbane)**

*Lead Institute*

June - July 2020

- Brainstormed and produced business model canvas
- Created objectives and delivering recommendations
- Organised regular meetings and discussed in groups
- Drafted progress reports, and submitted final report & presentation

### **Casual Farm Hand (Mt Sylvia)**

*Crust Farm (Trading as "Mount Sylvia Fresh")*

Dec - Nov 2018

- Sorted out the different sizes of gingers (Small, medium, large and jumbo) to meet the market criteria
- Packed gingers into standard boxes. (1 pile every day, approx. 50 boxes)
- Evaluated the quality of gingers and watermelons
- Cleaned the shed routinely

## **VOLUNTEERING EXPERIENCE**

---

### **Retail Assistant**

*The Australian Red Cross (Gatton Retail Store)*

July 2017- Nov 2017

- Organised weekly and seasonal rotations
- Served customers for their needs
- Packed and stocked goods
- Recorded and reviewed the prices

### **Mentor & Student leader**

*The University of Queensland*

2018-2021

- Mentored for incoming new students domestically and internationally
- Led student societies and clubs
- Organised student-lead activities

## **RESEARCH PAPER**

---

**Di, Binyin;** Firn, Jennifer; Buckley, Yvonne M; Lomas, Kate; Pausas, Juli G; Smith, Annabel L 2022 The impact of roadside burning on genetic diversity in a high-biomass invasive grass, *Evolutionary Applications*, vol. 15, no. 5, pp. 790-803, <https://doi.org/10.1111/eva.13369>

## **HONOURS AND AWARDS**

---

2020	<b>Employability Award</b> Awarded by Student Employability Centre, The University of Queensland
2020	<b>UQ Science Leaders Award (UQ Science Leaders Academy)</b> Awarded by Prof Susan Rowland, Deputy Associate Dean Academic, Faculty of Science, The University of Queensland
2020	<b>Winter Research Scholarship</b> Awarded by Student Employability Centre, The University of Queensland
2019	<b>Leadership and Mentoring Program in Science</b> Awarded by Prof Melissa Brown, Executive Dean of Faculty of Science, The University of Queensland

2019

**Short Term Experience Travel Grant**

Awarded by Student Employability Centre, The University of Queensland for supporting the short-term study experience at the Humboldt University of Berlin.

---

**PROFESSIONAL AFFILIATIONS AND SERVICES**

---

**Organisations**

*UQ Future Leader (Class of 2020)*  
The University of Queensland (2020-)  
*Undergraduate Student Member*  
AG Institute Australia (2020)

**Committee Member**

Student Representative at The University of Queensland  
*School of Agriculture and Food Science (SAFS)*  
SAFS Equity, Diversity and Inclusion Committee (2020)  
SAFS Student Council (2019)  
*Faculty of Science*  
Science Teaching and Learning Committee (2019)

**Clubs & Societies**

UQ Agricultural Science Society (UQ Plant Science Society) Treasurer (2020)  
Gatton International Students Association (UQGISA) Vice President (2019-2020)

---

**CERTIFICATES AND SKILLS**

---

*Licences:*

- Current driver's licence
- CASA Remotely Piloted Aircraft (RPA) operator accreditation

*Applications:*

- Precision & Guidance: CNH AFS Connect, Trimble Precision IQ
- Microsoft Office Suites: Word/Excel/PowerPoint/Sharepoint (Intranet)/Teams
- DJI Suites: GS Pro, Go Pro
- Flight Processing: Agisoft PhotoScan & Pix4D
- Programming: R, Python, Git, Portable Batch System

---

**REFEREES**

---

References are available upon request