

# MOOSA HASSAN

Email: [moosahassan73@gmail.com](mailto:moosahassan73@gmail.com)

Mobile: ##### #### ###

## EDUCATION

2019 – 2022: UNIVERSITY OF NEWCASTLE  
**Bachelor of Software Engineering (Honours)**

2011 – 2018: MACQUARIE COLLEGE  
**Completed Yr12, ATAR = 83.79**

## AVAILABILITY:

- Able to be flexible around university lectures/labs.
- Able to work during public holidays and university breaks.

## WORK EXPERIENCE

UNIVERSITY STUDENT SUCCESS PARTNER (February 2022 – Currently)

### **Currently: Mentorship Partner**

- Assisted various new software engineering and computer science students with university workload.
- Helped manage timetables and provided insightful support on how to succeed in courses.
- Gave students several ways to excel in study and life balance and how to overcome challenges.

LIBRARY STUDENT INTERN (July 2021 – December 2021)

### **5 months: Front-end Developer**

- Developed a digital capabilities tool using strictly React Native and GitHub to deploy the project.
- Learned to coordinate a project with a small team of four members.
- Created documentation for future development and improvement of the tool.
- Web application will be deployed on UoN library website.

TYCOON THAI (November 2020 – February 2022)

### **14 months: Casual delivery driver**

- Re-designing and maintaining website to a more creative and suitable standard ([www.tycoonthai.com.au](http://www.tycoonthai.com.au)).
- Handling multiple delivery orders and planned effective paths to ensure delivery was within set time.
- Taking customer orders and handling large sums of money.
- Ensuring friendliness and positivity when teaching newly hired employees.

HEATHERBRAE McDONALD'S (May 2019 – August 2020)

### **15 months: Casual employee**

- Took customer orders and handled large sums of money at the cash register.
- Ensured customers are being served at the best and catered to customer complaints.
- Distributed workload and temporarily filled in new positions during busy work hours.
- Responsible for the presentation of the restaurant in terms of cleanliness.

JLL DISTRIBUTORS, SANDGATE (January 2020 – February 2020)

### **2 months: Casual employee**

- Organised and packed dairy products for distribution across Newcastle.
- Worked with a team of four colleagues to effectively utilise time and energy during shifts.
- Owned accountability for incorrect orders during training.
- Developed an increase in focus when working extended periods when necessary.

## **PROJECTS**

### **NUBOTS RESEARCH GROUP [2019 - 2022]**

#### **Junior Software Engineer – [[www.robocup.org](http://www.robocup.org)]**

- Annually participating, international RoboCup competition consisting of teams of 40 countries (2021 participation certificate can be provided upon request).
- Assigned small projects in a team of more experienced engineering students to design and implement added features to online handbook/documentation (NUbook - <https://nubook.netlify.app/>).
- Adding referencing system using a mixture of JavaScript, React and Markdown language.
- Fine-tuned penalty kick shootouts for Webots online simulation.

### **TYCOON THAI [2020-2021]**

#### **Front-end UX Developer – [[www.tycoonthai.com.au](http://www.tycoonthai.com.au)]**

- Implemented engineering principles such as communication and prototyping during development.
- Used Elementor to create intuitive UX design for customers to easily interact with and order food while communicating with manager to meet personal criteria.
- Safely migrated the website and created multiple backups using All-in-One Migration to ensure stability and security when making changes.

### **PLAYES BOT [2020]**

#### **Discord Bot connected to Spotify's API to access integrated features.**

- Used a mix of Disqord (.NET API wrapper Discord) and C# programming to create basis of the bot.
- Created and connected a secured database to connect users to their favourite artists for users to be notified of new songs or albums minutes upon release.
- Studied Spotify API Documentation for features such as shared listening parties, viewing detailed discographies of artists, user authorisation, lyric seeking, searching, and styling artist profiles.

## **EXTRA-CURRICULAR EXPERIENCE & ACHIEVEMENTS**

### **Macquarie College achievements (2011-2018)**

- HSC Subjects; Maths Extension I, Maths Advanced, English Advanced, Physics, Chemistry, Studies of Religion II.
- Academic Excellence Award.
- Science and Engineering Competition 2016 (1<sup>st</sup> in regionals, 2<sup>nd</sup> in state).
- Student Representative Council 2017.

### **Local Cricket team (October 2008 - Currently)**

- Managed to effectively work in a team as well as taking initiative when needed.
- Achievements:
  - Minor premiers award 2015/16.
  - 2<sup>nd</sup> place in first grade cricket 2016/17.
  - Minor premiers award 2018/19.

### **Personal achievements and hobbies**

- Bilingual: English (1<sup>st</sup> language), Urdu.
- Gym.

## **REFERENCES**

*References are hidden for privacy reasons. Please contact via email for full resume.*