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| A picture containing text, outdoor, person  Description automatically generated  **Grace Clarkson**  Phone: 0477849702  Email: [graceclarkson1415@gmail.com](mailto:graceclarkson1415@gmail.com)  Linkedin: <https://www.linkedin.com/in/grace-clarkson/> Bottom of Form  Github: <https://github.com/Clarkson1415/>  I am currently at QUT studying a Bachelor of Engineering (Honours)/Applied and Computational Mathematics. Majoring in computer and software systems. I study full-time and I work as a student ambassador at QUT in two roles and maintain my GPA of 6.067. In the student recruitment team, I help provide STEM workshops to Highschool students and in the outreach team I travel outside of Brisbane to provide rural students different perspectives and pathways to tertiary education. Both provide excellent opportunities to continue to improve my interpersonal and communication skills.  I am an active member in the QUT community, I have been an executive (marketing manager) for the Women in Maths society and an executive for the QUT music society as jam session co-ordinator. I currently play guitar and electric bass in the QUT jazz ensemble (Blackbirds). And participate in QUT’s Robotics Club.  I have strong mathematics skills, Tech skills and programming skills. I have an interest in embedded systems programming, using C. In my own time I enjoy coding in C# and using the Unity game engine to make games. I also thoroughly enjoy applying mathematics creatively within my graphics programming and game development projects. My other interests include making music, teaching, reading, video games and coding.  My work experience includes completing a VRES (vacation research project) at QUT in 2022 under supervision of Dr Adrianne Jenner on modelling multiple sclerosis with mathematics. I have also done a vacation internship at the Australian Bureau of Statistics investigating natural language processing under supervision of Hamid Khatee and Sobia Saleem. In 2023 I worked in a casual position as a Research Assistant for PhD student, Grace Robinson under supervision of Dr Kate Helmstedt. I have been a private high school mathematics tutor for 6 years and counting, a position I thoroughly enjoy. I have also worked in retail at Master Pool Care Clayfield while studying in 2023-2024.  I have multiple years of experience in fast paced customer service and hospitality, working at a local smoothie & acai bowls shop, Active Blends and at Rebel Sports throughout high school.  I achieved the faculty of mathematics and specialist mathematics subject award in year 12 along with the spirit award for my leadership roles as Music Captain and President of the Interact Club and graduated with a 95.5 ATAR. Skills  |  |  | | --- | --- | | * Python experience * MATLAB experience * C & embedded systems * C# experience * Experience with Unity * Excellent problem-solving skills * Excellent team-worker * Excellent analytical skills * Resilient * Fast learner | * Excellent IT skills * Instrumentalist: Alto saxophone, electric bass, and guitar. * Strong Mathematical Skills * Excellent communication skills * Experience in customer service positions. |  Qualifications and experience  * Worked in a Research Assistant position at QUT under supervision of Grace Robinson and Dr Kate Helmstedt. * Completed a vacation research project (QUT VRES) on using mathematical modelling to investigate Multiple Sclerosis. * I worked at the Australian Bureau of Statistics on a vacation period internship position as a data scientist in the methodology division working on research in Natural Language Processing. * Completed year 12 at Mackay State High School in 2021, ATAR of 95.5 * Certificate II in skills for work and vocational pathways completed in 2019. * 2.5 years of experience with active blends superfood bar. * 1.5 years of experience at Rebel Sports Mackay as a cashier. * Completion of the CQUniversity SUN course: Language of Modern Music 1, with a high distinction in 2020. * Current Paid Blue Card (Working with Children Check) * 6 years of tutoring experience and ongoing (QLD grades 9 to 12) |
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# Experience

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| March 2024 - PRESENT **QUT Ambassador (high school workshops & widening participation)**  I am a casual employee at QUT and in my role I deliver STEM workshops to high school students, help facilitate university open days and travel out to rural schools to speak to high school students to inspire them to follow pathways to tertiary education. February 2019 – Present **Private Tutor**  I have been tutoring students since 2019 from years 6 to 11, I tutor Maths, General Maths (Math A), Maths Methods (Maths B), Specialist Maths (Math C), Music theory, guitar, alto saxophone and English. I successfully helped them improve upon their school marks and continue to do so. November 2023 – 2024 **Master Pool Care**  I worked as a casual at Master Pool Care, Clayfield. My responsibilities include, water testing, using their software systems to log and track water testing results and serve customers. September 2023 – October 2023 **Research Assistant**  I have worked as a Research Assistant at QUT for a PHD student, Grace Robinson. Where I found and processed agricultural data to help facilitate her research. December 2022 – February 2023 **ABS vacation internship**  I worked at the ABS under supervision of Hamid Khatee and Sobia Saleem investing natural language processing, its various pipelines and how they can be applied to analyse text. This included coding and running different NLP models using python on different types of text and comparing analysis results and performance of various models. December 2022 – February 2023 **QUT Vacation Research project**  In the 2022-2023 vacation period I worked on a research project under supervision of Dr Adrianne Jenner on using mathematical models to understand multiple sclerosis. This included solving and analysing ODEs describing the kinematics of immune cells, investigating the parameters, and using python to model the solutions. October 2020 – March 2021 **Casual Employee – Rebel Sports Mackay**  Employed as a cashier and retail assistant. April 2019 – June 2020 **Casual Employee – Active Blends Superfood Bar**  Employed to serve customers and make the heath food products, such as acai bowls and smoothies. I have had barista training and was trusted to open and close alone and was trusted with handling the float and takings during close. |
| References Jennifer Packer (Current employer)  Email: [jennifer.packer@qut.edu.au](mailto:jennifer.packer@qut.edu.au)  Dr Adrianne Jenner (Vacation Research supervisor)  Email: [adrianne.jenner@qut.edu.au](mailto:adrianne.jenner@qut.edu.au)  Grace Robinson (RA supervisor)  Email: [g22.robinson@qut.edu.au](mailto:g22.robinson@qut.edu.au)  Phone: 0402204062  Hamid Khatee (ABS vacation internship supervisor)  Email: hamid.khataee@abs.gov.au  Sobia Saleem (ABS vacation internship supervisor)  Email: sobia.saleem@abs.gov.au  Katherine House (Master Pool Care Employer)  Phone: 0412 292 342  Brenden Misfud, (Employer & Manager of Active Blends Superfood Bar)  Phone: 0409 495 336  Jenny Clarke, (Rebel Manager)  Email: [Jenny.Clarke@rebelsport.com.au](mailto:Jenny.Clarke@rebelsport.com.au) |

# Past Education

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| Year Prep-4 Chelona State SchoolYear 4-6 Victoria Park State School **Year 5:** Participated in: Concert Band, Recorder Band, Choir.  **Year 6:** Participated in: Concert Band, Recorder Band, Choir and Folk Group.  Achieved Humanities and Social Science’s Award. 2019Year 7-12 Mackay State High school Academic Honours, Citizenship Award, placed in Academic Excellence Academy.  Participated in: Concert band, Choir, Stage band, Symphonic Band, String Ensemble,  Music Captain  President of the Interact Club (part of Mackay Rotary club)  Faculty of Mathematics award  Academic Honours  Spirit Award  Specialist Mathematics Subject award |
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