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CARL CHANDLER

BIOMEDICAL SCIENCE GRADUATE

A highly motivated, final year Bachelor of Biomedical Science student with a strong interest in medical and genetics research, experienced in asthma and respiratory disease. High level of attention to detail, as well as excellent communication and time management skills developed through 2+ years' part-time employment in customer service and work as an IT Rover. Proven dedication to serving the community, demonstrated through regular volunteering and organising events. Currently seeking a position as a laboratory assistant/technician in a clinical or research laboratory.

QUALIFICATIONS

Bachelor of Biomedical Science
University of Newcastle 2020 – 2022

Relevant Subject Areas: Experimental Design and Laboratory Skills in Medical Research, Physiology, Human Pathophysiology, and Human Infection and Immunity (Distinction Average)

Open Foundation
University of Newcastle 2021

PROFESSIONAL EXPERIENCE

Student Researcher
University of Newcastle Aug 2020 – Jun 2021
Project | *Cell Meiosis Research Project*

- Designed and implemented research project on the effects of mobile phones on cell meiosis
- Completed ethics approval process; complied with health and safety protocols
- Presented findings at UON Research Showcase and at the University Open Day

Laboratory Assistant
The Centre for Asthma and Respiratory Disease Feb – Dec 2021

- Prepared cultures for analysis
- Managed laboratory and equipment bookings
- Cleaned, maintained, and set up laboratory equipment for use in experiments
- Contributed to research team meetings
- Conducted regular quality assurance checks to comply with WHS policies

RESEARCH SKILLS

RESEARCH PROCEDURES Animal and human ethics, GMO's, WHS, pathology laboratory functioning, quality assurance and control

TECHNICAL SYSTEMS *Proteomics equipment:* Ettan spot picker, Ettan Pr Maldi-TOF, 2D gel equipment, rocis494, HT Protein Sequencer, Biacore 3000

Amaxa Nucleofector: transfection of mammalian cells
Centrifuges: spectrophotometers, including nanodrop, and fluorescent spectrophotometers
FLUOstar Optima: fluorescent plate reader
Typhoon 9410: laser scanner for gels, western blots, microarrays
BioPlex machine

ANALYTICAL SKILLS

Advanced level data processing, analytics, visualisation and use of databases.
High level attention to detail developed throughout experience as a Laboratory Assistant and Student Researcher.

EXPERIENCE

IT Rover
University of Newcastle Mar 2020 – current

- Provide Help Desk, troubleshooting services, and IT support to Library users
- Assisted students with general enquiries and use of equipment
- Assisted Library staff as required

Customer Service Assistant
Bunnings Jun 2019 – current

- Team Leader responsibilities during summer university break, training and supervising a team of 15 casual staff
- Provide friendly and informative service to customers by maintaining up-to-date knowledge of products sold in the store

Student Ambassador Feb 2020 – Nov 2021
University of Newcastle

- Engaged with secondary school students across the region to encourage them to consider tertiary study at the University of Newcastle
- Delivered presentations on behalf of the university at schools, open days, community events, career expos, and via social media

VOLUNTEER EXPERIENCE

Volunteer
HNE Mental Health Services Volunteer Program Aug 2020 – Sept 2021
Project | *Mental Health Services*

- Provided patient support and assisted with life skills activities
- Assisted with facilitation of fortnightly support group sessions

Facilitator
University of Newcastle Jan – Dec 2021
Project | *Welcome Dinner Project*

- Facilitated monthly dinners to welcome new international students to the community
- Coordinated a team of five volunteers to organise venues, catering, marketing, and entertainment for each event

Planning Committee Member
Youth Alliance July – Nov 2019
Project | *Wishful Thinking Festival 2018*

- Contributed to the planning of the Wishful Thinking Festival
- Worked with a team of 10 volunteers to arrange logistics and ensure smooth running of the event which attracted over 2000 people

PROFESSIONAL SKILLS

IT SKILLS	Microsoft Power BI, SPSS, Tableau, XLStat, StatPlus, MatLab
COMMUNICATION	Skilled at explaining complex concepts and experienced at translating technical terminology into easy to understand, layperson descriptions for colleagues and customers, used as an IT Rover. Engaging presenter with strong interpersonal skills, evidenced by two years' experience as a Student Mentor and Student Ambassador. Experience writing scientific reports and assisting with the preparation of grant applications. Completed the Toastmasters Public Speaking training and have successfully presented research projects to groups for assessment.
TEAMWORK	Successful completion of university group projects which included project coordination and co-reporting. Worked as a member of the planning committee with a group of 10 volunteers to run the Wishful Thinking Festival which attracted over 2000 participants.

PROFESSIONAL DEVELOPMENT

- **New Futures Hackathon** | UON Integrated Innovation Network (I2N) — Sept 2022
- **Data Visualisation Techniques workshop** | Intersect Australia — Mar 2021
- **Public Speaking and Presentation Skills** | Toastmasters Australia — Nov 2020

PROFESSIONAL MEMBERSHIP

- **Australian Institute of Medical Scientists**
- **Professional Scientists Australia**

REFEREES

Toby Winter
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