

# NICHOLAS VELLA

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## SKILLS

- R statistical Software, LaTeX
- Python
- Excel: VBA, Pivot tables
- Financial modelling
- Machine Learning
- SQL
- HTML/CSS
- JavaScript
- Comprehensive report writing

## ACTUARIAL EXEMPTIONS

CS1 – satisfied

CM1 – satisfied

CB1 – satisfied

CS2 – satisfied

CM2 – satisfied

CB2 – satisfied

## EDUCATION

### Macquarie University Business School

*Bachelor of Actuarial Studies*

**Macquarie Park, NSW**

*Graduated 2024*

- Distinction Average WAM
- Relevant courses: Statistics, Calculus/Linear Algebra, Stochastic Calculus/Process, Probability Theory, Survival Models, Quantitative Methods for Risk Analysis, Macro/Micro Economics, Econometrics

### The University of Newcastle, Australia

*Bachelor of Physiotherapy (Honours)*

**Callaghan, Tamworth NSW**

*Graduated 2020*

- Systematic Review of Physiotherapy for Paediatric Joint Hypermobility

### Penrith Selective High School

*Higher School Certificate*

**Penrith, NSW**

*Graduated 2016*

## WORK EXPERIENCE

### Nepean Blue Mountains Local Health District

*Physiotherapist*

**Penrith, NSW**

*Feb 2021 – Present*

- Quality improvement project; Redesigned patient handover to be more efficient; Excel analysis involving VLOOKUP, pivot tables, statistical methods on impact of increased staffing
- Writing comprehensive NDIS and guardianship reports, documenting patient interactions
- Providing comprehensive health education to medically unwell/post-operative patients
- Presentations to colleagues on latest evidence-based care during in-services and journal club using teams and powerpoint
- Collaborating and problem solving complex discharges as part of the multidisciplinary team
- Supervising, delegating and managing Physiotherapy Students and Allied Health Assistants
- Providing acute care for deteriorating patients in areas including Cardiothoracics, Respiratory, Cardiology, Emergency

### Norwest Private Hospital (Healthscope)

*Physiotherapist*

**Bella Vista, NSW**

*Feb 2022 – Present*

- Facilitating safe discharge as the sole allied health practitioner
- Organising and delegating caseload to allied health assistants
- Providing acute care to deteriorating patients in the Intensive Care Unit; post-operative acute care to Orthopaedic, Surgical, and Neuro-surgical patients

## LEADERSHIP

### University Network for Investing and Trading Macquarie

*Finance Team*

**Macquarie Park, NSW**

*March 2022 – Nov 2022*

- Analysing costs and creating a budget for events
- Social media posts including designing flyers using photoshop

### University of Newcastle Department of Rural Health

*Year Long Placement Program*

**Tamworth, NSW**

*Jan 2020 – Nov 2020*

- Selected applicant to study fourth year of physiotherapy degree at rural campus site
- Developed health professional skills through community engagement and built understanding of rural healthcare issues
- Assisted with careers fair for high school students aimed to educate on health careers and encourage to apply

**Hillvue Public School***(Year Long Program)****Tamworth, NSW****Feb 2020 – Nov 2020*

- Program designed to engage disadvantaged primary school children in physical activity and health education
- Created educational presentations and planned activities monthly for 20-30 local students

**Physiotherapy Student Society***Social Outreach Coordinator****Callaghan, NSW****Feb 2019 – Nov 2019*

- More than doubled available funds to the society in one year
- Liaised with private companies and organised two new sponsorships for the society
- Planned and executed social events to engage health students including inter-faculty sports day, annual ball
- Assisted with designing and marketing merchandise; analysing costs of events, creating budgets

**REFERENCES**

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Available on request

**ADDITIONAL INFORMATION**

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*Interests:* Gym, Football, Running, Podcasts, Coffee