

NOLAN PETERSON

Milan, Italy · nolanpeterson.nz@gmail.com · nolanpeterson.nz · github.com/nolanpetersonnz · linkedin.com/in/nolan-peterson-b76606307

EDUCATION

Università Cattolica del Sacro Cuore

Bachelor of Science in Psychology

- Dual Career scholarship for elite student-athletes

Milan, Italy

Expected July 2027

University of Pennsylvania

Exchange semester (International Guest Student Program)

- Partial scholarship from Università Cattolica del Sacro Cuore

Philadelphia, PA

Jan–May 2027

University of Oxford, Lady Margaret Hall

Computational Psychology and AI summer programme

- First Class result

Oxford, UK

Aug–Sep 2026

University of Canterbury

One semester of engineering coursework

Christchurch, New Zealand

Feb–Jun 2024

SELECTED PROJECT

FencingStatsNZ

Designer and developer

fencing-stats-nz.vercel.app

May 2026 – Present

- Built a Glicko-2-based public rating system for New Zealand fencing in React and Python, which tracks rating certainty and separates pool and direct-elimination ratings
- Ran three rounds of user feedback
- Launched to the national fencing community, around 50 users on day one. When usage fell, ran a usability study to find out why

RESEARCH EXPERIENCE

Università Cattolica del Sacro Cuore

Lead researcher, usability study of FencingStatsNZ (supervisor: Prof. Chiara D'Angelo)

- Preregistered think-aloud study with 8 fencers on why people who praised the tool stopped using it

Milan, Italy

Sep 2026 – Present

Expert coach decision-making study

Lead researcher, supervised by Alex Dong (Head of AI Engineering, Tacit Intelligence)

- Piloting Critical Decision Method interviews with expert fencing coaches to build a rubric of how they judge a bout
- Next: testing whether an AI model scores bouts against the rubric as the coaches do

Remote

Sep 2026 – Present

University of Oxford, Lady Margaret Hall

Decoy influence in interface design: independent project advised by Dr Tsvetomira Dumbalska

- Studied where six choice models disagreed the most using a mobile-data-plan choice task that I built, then validated the design using model-recovery simulations
- Preregistered study with 13 participants
- No clear decoy effect found. Best-fitting model was the context-free one

Oxford, UK

Aug–Sep 2026

Early Learning Laboratory, University of Auckland

Research Assistant to Dr Annette Henderson

- Coded infant and toddler prosocial behaviour using the lab's behavioural coding manuals

Auckland, New Zealand (remote)

Apr–Jul 2026

WORK EXPERIENCE

ScoutIP AI

UX Researcher

- Designed interview protocols and customer information databases. Processed customer interviews
- Running a small project on calibrated trust in tool use

H-Farm, Italy (hybrid)

Oct–Dec 2026

TENCO

Operations Administrator

- Verified customer locations and internet provider records. Built and maintained a database of 200+ addresses nationwide

Christchurch, New Zealand

Apr–Aug 2024

Wellington South Fencing Club

Assistant Coach

Wellington, New Zealand

Jan 2023 – Jan 2024

ATHLETICS

New Zealand National Fencing Team, épée

- Ranked No. 1 in New Zealand senior men's épée, at the end of the 2025 season
- Senior World Championships 2025-2026. Junior World Championships 2023-2026, World University Games (2025), Asian Championships (2025)
- Oceania Cadet and Junior Champion; 3rd, Leon Paul Summer Open, London (2026)

2022 – Present

SKILLS & LANGUAGES

Technical: Python, React, agentic coding with Claude Code, data analysis with Python; computational models of choice

Research methods: usability testing, preregistration, Critical Decision Method interviewing, behavioural coding

Languages: English (native); Italian (elementary)