# Broderick Westrope

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## EDUCATION

**Western Sydney University**                                            Parramatta, NSW
*Bachelor of Science in Computer Science*                                      *Dec. 2022*
- Dean's Merit List every year
- GPA: 6.23/7

**TAFE**                                                                 St Leonards, NSW
*Diploma in Programming Digital And Interactive Games*                         *Dec. 2020*

## EXPERIENCE

**Software Engineer & Consultant**                                    Feb. 2023 - Present
*Mantel Group*                                                               *Sydney, NSW*
- Spearheaded projects with ASP.NET (C#) to architect, uplift, and migrate REST APIs.
- Implemented large-scale Go projects leveraging the Temporal durable-execution framework as well as gRPC and ConnectRPC.
- Actively contributing to the Go community through presenting at meetups and conferences, engaging in internal knowledge-sharing, and leading personal training sessions.
- Contributed to CI/CD pipeline development, authoring of technical documentation, and motivating TDD.
- Key driver of an internal project leveraging Azure DevBox, Azure Bicep & ARM templates, GitHub Actions, and Terraform for a cutting-edge Azure technology offering.

**Software Engineer**                                                  Jul. 2022 - Dec. 2022
*MARCS Institute For Brain Behaviour & Development*                       *Westmead, NSW*
- Spearheaded the development of a Unity and C# cross-platform application for Macular Degeneration treatment, driving the project to success amidst a team with limited technological proficiency.
- Implemented innovative features, including authentication, eye-tracking technology, and activity-based assessments, significantly enhancing patient diagnosis and treatment monitoring.
- Enabled data-driven therapy decisions by securely collecting and analysing user performance data, directly contributing to the application's adoption by health professionals for improved patient care.

**Intern**                                                                      Jun. 2019
*Atlassian*                                                                   *Sydney, NSW*

## PROJECTS

**Tetrigo**                                                            Nov. 2023 - Present
- An interactive TUI (Terminal User Interface) for playing Tetris in your terminal. Built using the awesome <u>Bubble Tea</u> framework created by <u>Charm</u>.

**Eventurley**                                                         Dec. 2023 - Present
- A full-stack cross-platform mobile application communication with RPCs, Protocol Buffers, and SSL.
- Web API built with Go, sqlc, PostgreSQL, and a Connect RPC server.
- Cross-platform mobile app built with Flutter (Dart), Riverpod, Firebase Auth, and a gRPC client.

**Open Source**                                                        Long Term; Ongoing
- In addition to personal projects, I enjoy contributing to a range of projects in the open-source community.
- My GitHub profile is up to date and provides insight into projects I'm currently interacting with. See the top for a link.

## TECHNICAL SKILLS

**Programming Languages**: C#, Go, TypeScript, HTML/CSS
**Frameworks & Libraries**: ASP.NET Core, Temporal, Connect RPC, Vue 3, Blazor
**Cloud & DevOps**: Azure, AWS, Docker, GitHub Actions, Azure DevOps, Buildkite
**Software Development Practices**: Test-Driven & Cloud-Native Development
**Database Technologies**: PostgreSQL, MySQL, Microsoft SQL Server