

# Benjamin Cyna

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## EDUCATION

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**University of Adelaide** | Bachelor of Psychological Science

Double major in Neuroscience & Computer Science

GPA: 6.8/7.0

Graduated December 2022

## WORK EXPERIENCE

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### Software Developer

June 2021 - August 2022

James Anthony Consulting | Adelaide, SA

- Constructed laravel admin system: Lead developer for an 8-month \$60,000 project developing 75% of the codebase.
- Guided client expectations and differences in viewpoints between 3 separate clients.
- Multisite project: Liaised with 3 developers on a \$40,000 project, finished within 3 month period.
- Updates to existing codebases: Meeting crucial client deadlines categorically for requested improvements.
- \$1.2 million dollar project: Collaboration with over 8 developers on a large-scale system.

### Tutor

June 2020 - June 2021

Tutoring For Excellence | Adelaide, SA

- Developed 3 base strategies for effective knowledge transfer between 5 different pupils.
- Promoted personal and social skills, engaging with groups of 1-3 students.
- Sustained a 100% student retention rate across 5 students throughout a 12-month period.
- Enhanced student grades across all dimensions, including 3 final grade A+ results.

## PROJECTS

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### [Tournament Prize Calculator](#) | Python

January 2023

- Python application designed to take in a list of players and skill levels and generate a tournament structure.
- Following object-oriented programming design, the application tracks chances of winning and prize allocation.
- The expected value of participating in a tournament remains equal for all players, regardless of skill.

### [ATOM Feed Aggregation, Client-Server](#) | Java

August 2022

- Developed a client/server system that aggregates and distributes ATOM feeds.
- Implemented the ATOM syndication protocol, a standards-based approach providing a solid basis for syndication.
- Designed and built an Aggregate server that responds to requests for feeds and accepts feed updates from clients, storing feed information persistently and removing it when the content server is no longer in contact.
- Developed a client that makes HTTP GET requests to the server and displays the feed data, as well as a content server that makes HTTP PUT requests to the server to update the feed information.

### [Calendule](#) | React & Node.js

June 2021

- Developed a full-stack react app from scratch using technologies: Sequelize, express and npm packages.
- Navigated MySQL for efficient communication between the database and the server.
- Designed Front End functionality for a mobile responsive calendar app incorporating bootstrap.
- Completed project within 1 month to be presented for Trilogy demonstration event.

## TECHNICAL SKILLS

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- Languages: Proficient: JavaScript, C++, Python | Intermediate: Java, PHP | Basic: C#, Flutter
- Databases: MySQL, MongoDB, PostgreSQL, DynamoDB
- Tools: Git, Heroku, Amazon Web Services, Microsoft Azure

## COMMUNITY INVOLVEMENT

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- 2x ICPC Competitive Programming ANZAC rounds.
- Adelaide University Computer Science Club's capture the flag event
- Conferences: 13th Australian Space Forum: 26th October 2022. EAGx July 8th-10th