

Sebastian Zgheyb

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github.com/Sebastian-Zgheyb

Education

University of New South Wales, Bachelor of Science (Computer Science) January 2023 – November 2025

- WAM: 80
- **Skills:** Java, Python, C, JavaScript/TypeScript, React, PostgreSQL, Azure
- Awarded UNSW Employability Award 2024, ranking in the top 20 out of 350 applicants

Experience

High-School Tutor - Holy Spirit Catholic College – Lakemba January 2023 – Current

- Tutored high-school students individually and in small groups, providing tailored support to address their unique learning needs.
- Developed and implemented personalised learning plans for students, incorporating a variety of teaching strategies and resources to enhance comprehension and retention.
- Utilised assessment tools to evaluate student progress and adjust instructional methods accordingly, ensuring continuous improvement.

Projects

AI Onboarding Assistant (github.com/Sebastian-Zgheyb/OnboardingAssistant) February 2025

JavaScript, YAML, Forge Atlassian, Confluence, Jira

- Developed & designed an AI-powered onboarding assistant with Atlassian Forge, automating Jira issue retrieval, Confluence summarisation, and personalised task recommendations to streamline new hire integration.
- Implemented intelligent search and summarisation features that reduced information retrieval time for interns, leveraging AI to surface relevant Jira tickets, Confluence pages, and team introductions.
- Enhanced onboarding efficiency by 30% (estimated) by providing contextual learning paths, real-time progress tracking, and adaptive recommendations, reducing dependency on manual documentation searches.

Cryptocurrency Trading Bot (github.com/Sebastian-Zgheyb/CryptoBot) January 2025

Python, MetaTrader 5 API

- Developed an automated cryptocurrency trading bot using Python and the MetaTrader 5 API, implementing real-time market analysis, ATR-based position sizing, and risk management strategies.
- Engineered a backtesting framework that evaluates historical data, enabling strategy optimization and performance assessment with key metrics like win/loss ratio, profit factor, and max drawdown.
- Integrated dynamic trade execution logic with stop-loss and take-profit mechanisms, improving trade reliability and ensuring systematic decision-making based on predefined market conditions.

Extracurricular Activities and Community Involvement

CSESoc Peer Mentor January 2025 - Current

UNSW

- Mentored a group of first-year computer science students, guiding them through their academic and social transition into university.
- Fostered a supportive community by organising meetups, facilitating discussions, and encouraging engagement within CSESoc.

Atlassian x ForgeHACK Hackathon February 2025

Atlassian

- Led a team of developers in designing and implementing an AI-powered onboarding assistant to help new Atlassian interns quickly integrate into their teams.
- Directed project strategy by selecting user personas and defining key AI-driven features, including personalised task recommendations, Jira/Confluence search, and document summarisation.