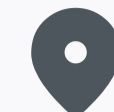










# Taggart Campbell

Software Developer  
Information Systems Graduate

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## Education

 2021 - 2023

### University of Johannesburg

Bcom Information Systems

#### Course work:

- **Core Concepts:** Data Structures & Algorithms, Object-Oriented Programming, Agile & Scrum
- **Tech Focus:** Full-stack web development with .NET Core, Azure, and React
- **Database Skills:** SQL database design, administration, and data analysis
- **Project Development:** Built and deployed web applications as part of coursework

#### Capstone project (Student State)

Led full-stack development and UI design for a student social platform, delivering the winning solution (1st out of 12 teams) judged by Standard Bank representatives.

## Programming

C# Python Dart TypeScript SQL  
JavaScript JavaScript

## Databases

SQL Server Postgresql

## Cloud Platforms

Google Cloud Azure Vercel  
Firebase Supabase

## Frameworks and Libraries

React Redux Node Flutter  
Riverpod Tailwind CSS Radix UI  
Astro Shadcn UI Material UI

## Summary

Information Systems graduate with hands-on experience in scalable web and mobile development. I excel at turning ideas into polished products with clean, efficient code and intuitive design.

Passionate about problem-solving and user experience, I thrive on tackling complex challenges and refining solutions to high-performance standards.

#### Core Skills:

- **Full-Stack Development** – Proficient in React, Next.js, Tailwind, Supabase, and Firebase.
- **Mobile Development** – Proficient in Flutter & Dart for cross-platform applications.
- **App Store Management** – Experienced with App Store Connect and Google Play Console.
- **Cloud Solutions** – Skilled in API development, client-server communication, and serverless.
- **UI/UX** – Designing high-quality, intuitive, and user-friendly interfaces with Figma.

## Projects

### DinoDash



 Nov 2024 - Ongoing

 [Website](https://dinodash.xyz)  dinodash.xyz

A Flutter and Dart-based clone of the open-source Chromium T-Rex game, enhanced with additional features and modern app capabilities.

#### Key Features:

- **Game Engine** – Flame package for physics, animations, and collision detection.
- **State Management** – Riverpod for streamlined reactive state handling.
- **Clean Architecture** – Presentation, domain, data, and application layers.
- **CI/CD & Version Control** – GitHub and Shorebird with automated signing.
- **App Analytics** – Sentry integration for crash reports and analytics.
- **Multi-Environment Support** – Development, staging, and production builds.
- **Backend** – Supabase with PostgreSQL and authentication.
- **Custom UI** – Bresenham's algorithm for pixel-perfect rendering.
- **Leaderboard** – Global high-score tracking for competitive play.
- **Player Controls** – Desktop-like controls for enhanced gameplay.
- **Theming** – Dark and light mode support.
- **Localisation** – English, Spanish, and Chinese language support.
- **Cross-Platform** – Available on App Store and Google Play.
- **Monetisation** – Google AdMob for in-game advertisements.

## Program

 Jan 2023 - Ongoing

A fitness database application built with Flutter and Dart for tracking and analysing fitness activities.

#### Key Features:

- **Data Modelling** – Designed a flexible and scalable database schema for fitness tracking.
- **Cloud Storage** – Secure file handling for media uploads and progress tracking.
- **Device API Integration** – Utilises camera access for capturing progress photos.

## Experience

### Internship

DarkPicket

 Dec 2021 - Apr 2022

 [Company LinkedIn](#) 

- **Testing** – Conducted Platform compatibility testing and documented system behaviour
- **Setup & Support** – Assisted with client software installations and configurations.
- **UI/UX Design** – Enhanced software usability and user experience.