

Renos Kerkides

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Summary

High-achieving MSc Software Development graduate from the University of Glasgow, with a distinction and a passion for full-stack web and mobile app development. Proficient in Django, React, and React Native, and experienced in managing the complete software development lifecycle, from concept through to deployment. Skilled in agile methodologies and driven by a desire to solve complex problems through creative and impactful solutions. Eager to contribute technical expertise and innovative thinking to a growth-focused organisation.

Education

University of Glasgow

September 2023 – September 2024

MSc Software Development

- Degree Classification: *Distinction* (GPA: 21/22)
- Relevant Courses: Advanced Programming, Algorithms and Data Structures, Database Theory and Analytics, Enterprise Cyber Security, Programming, Software Engineering, Systems and Networks, Internet Technology, Human Computer Interaction, MSc Team Project, MSc Project.
- Achieved at least an A5 (equivalent to Distinction) in every single course, demonstrating a consistent high level of academic excellence throughout the MSc programme.

Loughborough University

September 2020 – July 2023

BSc (Hons) Business Psychology

- Degree Classification: *First-class Honours*
- Relevant Courses: Information and Knowledge Management, Behavioural Decision Science, Consumer Behaviour, Brain and Behaviour, Work Psychology, Leading and Developing Others, Organizational Behaviour, Entrepreneurship and Innovation, and Human Cognition.

Main Projects

- **MindfulProgress**
 - Architected a **dual-interface** mental health support platform integrating a **mobile** mHealth application with a therapist-centric **web** interface.
 - Developed the mobile application using **React Native** and **Expo SDK**, implementing features such as mood tracking, exercises, and a personalized 'Safe-Space' for crisis management.
 - Designed and implemented the web interface with **ReactJS**, using **TypeScript** for enhanced code maintainability and leveraging **Material-UI** for a responsive, user-friendly experience.
 - Built the backend using **Django** and **PostgreSQL**, focusing on secure, scalable data management, and integrated **Django Channels** and **Redis** to support real-time **WebSocket** communications for live updates and notifications.
 - Optimized background task management by integrating **Celery** with **Redis**, facilitating asynchronous processing for notifications, data analysis, and automated task scheduling.
 - Achieved a mean **System Usability Scale (SUS)** score of 78.3, reflecting a high level of technical effectiveness in user experience design and implementation.
 - Deployed the backend on **Heroku** and the frontend on **Netlify**, employing **CI/CD practices** to ensure robust, scalable, and performant deployment in production environments.
 - Received a dissertation grade of **A2** (84-90%) by the University of Glasgow, indicating “a *truly* outstanding and challenging project, definitely worthy of wider dissemination.”
- **Personal Website**
 - Engineered a personal website using **React** with **Vite** to leverage its component-based architecture.

- Implemented **UI features** such as a dynamic typing effect and interactive cards for user engagement.
- Utilized **Tailwind CSS** and **Bootstrap** to design a visually appealing and **responsive** user interface, ensuring quick customization and consistency across all pages of the website.
- Deployed on **Netlify**, also optimizing website performance and scalability in a production environment.
- **LearnHub**
 - Developed a dynamic learning platform using **Django**, enabling users to explore, create, and manage educational content across a variety of topics.
 - Designed a user-friendly interface with **Django's templating system**, providing a cohesive and intuitive user experience that promotes content interaction.
 - Implemented **complex data models** to handle categories, posts, comments, and user profiles, facilitating efficient data operations and interaction dynamics within the platform.
 - Incorporated full-text **search capabilities**, allowing users to efficiently search through posts and categories, enhancing the discoverability of educational content.
 - Deployed the application on a **cloud platform**, demonstrating expertise in deploying and managing web applications in a live environment.
- **Duelyst II Clone**
 - Quickly developed a functional clone of the Duelyst II game under **tight deadlines**.
 - Effectively applied **agile practices** to adapt to **changing requirements** and priorities, facilitating **collaboration** and iterative improvements throughout the development cycle.
 - Navigated through complex game logic, **AI** and software engineering challenges, ensuring the game was playable despite the **codebase's complexity** and initial disorganization.
 - Successfully **integrated** a pre-existing **frontend** with the newly developed **Java backend**, ensuring seamless data flow between the client-side and server-side components.
- **Portfolio**
 - Leveraged **Django** to create a portfolio website, highlighting my project portfolio and professional development journey as a software developer.
 - Utilized **Django's advanced template system** to ensure a uniform style across the site while maximizing code reusability and maintainability.
 - Implemented an **SQLite database** for efficient storage and retrieval of project details and blog posts, optimizing data handling processes.
 - Successfully deployed the application on **PythonAnywhere**, demonstrating proficiency in **cloud-based hosting** and application deployment strategies.
- **Teacher Resource Management System**
 - Architected a **Java-based** teacher management system, incorporating **object-oriented programming** to facilitate efficient data handling and user management.
 - Implemented robust, flexible, and scalable **data persistence** through Java **serialization**, ensuring reliable storage and retrieval of educational data.
 - Implemented **design patterns** such as **Singleton** and **DAO**, and utilized **dependency injection** in service layer design, promoting loose coupling and ease of **unit testing**.
 - Designed **UML Sequence** and **Class Structure Diagrams**, providing a clear architectural blueprint and facilitating understanding of data flow and system behaviour.

Skills

- **Languages:** Java, JavaScript/HTML/CSS, TypeScript, Python, Assembly (Sigma-16)
- **Frameworks:** Django, React, React Native, Spring Boot
- **Database Management:** SQL, PostgreSQL, SQLite
- **Scripting and Shell:** Bash, PowerShell
- **Tools:** Git, Linux, Maven, Vite, Node.js, Thymeleaf, Material UI, Bootstrap, Tailwind CSS, UML, Expo SDK, Redis, Celery