ALESSANDRO FRONDINI

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github.com/alessandro-001

alefrondini

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SKILLS

- Java
- Javascript
- SQL
- HTML
- C#

- CSS
- React
- React Native
- Git
- Agile Methodologies

ABOUT ME

Currently pursuing a Master's in Computer Science, I aspire to achieve my dream career in Software Development. I am a creative individual with a genuine passion for clean, maintainable code with a keen eye for detail. I highly value teamwork, I focus on identifying and addressing problems, while maintaining high standards. With an ambitious attitude and a strong full stack foundation, I am focused and excited to join a company to contribute crafting cutting-edge softwares and to continuously learn and improve myself.

EDUCATION

MSc Computer Science - *In Progress*
September 2024 - September 2025

Manchester Metropolitan University

- The curriculum includes advanced topics in Information Systems and Databases, Advanced Computer Networks, Advanced Object-Oriented Programming, Cloud Enterprise Software Development and introduction to Machine Learning.
- Extensive database planning and creation of applications in SQLite and Java, complete of all CRUD operations, web interfaces in HTML and CSS and secure password hashing with BCrypt.
- In-depth study and practical application of Object-Oriented Programming (OOP) concepts in Java and database design with Oracle SQL, including Entity-Relationship (ER) diagrams for project development.

Software Development Bootcamp
March 2023 - June 2023

Northcoders, Manchester, UK

- Successfully completed Northcoders' intensive full stack software developer bootcamp, gaining a solid foundation in programming and proficiency in various languages essential for web development.
- Acquired valuable skills through wire-framing, agile methodologies and sprints in JavaScript, Node.js, Express.js, PostgreSQL, HTML, CSS, and React
- Experienced Firebase, React Native, TypeScript, and Tailwind CSS, integrating these technologies into the final project to enhance functionality and design. Direct link: github.com/alessandro-001/Love-Birds-App

BSc (Honors) Dental Technology - *1st Class Honours*
September 2015 - June 2018

Manchester Metropolitan University

- I developed strong working skills during various formal projects on dental prosthetics that required significant problem solving skills, strong technical abilities and collaboration with colleagues and patients. Extensive research project completed on the Antimicrobial Efficacy of Graphene Oxide and Graphene Oxide + Silver Particles Incorporated into an Acrylic Denture Soft Liner.

PROJECTS

- Appliance Store Manager - Web Application: Java-based application for managing home appliances and customer data.
  - Java, HTML, CSS, Bootstrap, SQLite, BCrypt.
- Quiztopia - Web Application: React-Vite based application offering interactive quizzes on various topics.
  - Javascript, React, Axios, Material UI, CSS3, Google Firebase.
- Pomodoro Timer - Mobile Application: React-Native based native application of the classic pomodoro timer.
  - Typescript, React-Native, Expo.
- Weather - Mobile Application: React-Native based weather application with API connections
  - Javascript, React-Native, Expo, Figma, OpenWeather API, Google Geomapping API.
- Love Birds - Mobile Application: React-Native based native application, interactive messages and games application
  - Typescrpt, React-Native, Expo, Tailwind CSS

PROFESSIONAL EXPERIENCE

Remote Service Representative
August 2023 - Current

Recharge Health, Chiangmai, Thailand (Remote role in Manchester, UK)

- Efficiently manage the end-to-end process for Flexbeam® devices remotely, including recording, troubleshooting, quality inspections, logistics coordination, and final shipment..
- Facilitate communication with customer services, ensuring issues resolution and maintaining a comprehensive database. Effectively collaborate virtually with colleagues for stock management and delivery updates to end users and stakeholders.
- Repairing and replacing PCBA (Printed Circuit Board Assembly) components, conducting firmware flashing for software updates, and executing thorough quality inspections. Refurbishment of faulty units and ensuring meticulous repackaging, guaranteeing the safety of customer shipments.