

# Andrei Aleksanian

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## Education

### University of Manchester

Manchester, UK

3RD YEAR BSC. IN COMPUTER SCIENCE | EXPECTED GRADE: 1:1 (YEAR 2 GRADE - 1:1)

Sep 2019 - June 2022

- Recognized as the top 25% of 270 students with an "Award of Kilburn Entry Scholarship" for previous academic excellence.
- Managed a team of 7 in a Software Engineering course to develop an event booking website using **Java Spring**.
- Collaborated with students on an open source project with a 10-year-old commit history. Using tools like **Git**, **Java** and **JUnit**.
- Implemented efficient (in terms of time/complexity) algorithms and data structures for different purposes used in software development like sorting, searching, trees and graphs theory, priority queues and many others.
- Third Year Project Topic - "Predicting the Stock Market Movements Using Technical Analysis and News Coverage".
- Prepared for future management roles by studying the fundamentals of business and finance.

## Experience

### See Your Embeddings - see-your-embeddings.com

Remote, Manchester, UK

FULL STACK DEVELOPER

July 2021 - Oct 2021

- Acted as a freelancer and sole developer.
- Delivered a well tested, scalable and maintainable Full-Stack web application to a PhD researcher at university.
- Achieved seamless user experience with 2 heavy  $O(n^2)$  and  $O(n^3)$  ML algorithms on the backend.
- Designed and implemented a reliable microservice architecture with Docker. Featuring 2 APIs, 1 proxy, 1 database and 1 frontend.
- Set up a CI/CD pipeline from scratch with Docker and GitHub.
- Tech stack - **React & Typescript** and **MySQL & FastAPI**.

### Student Software Company - imago.cs.manchester.ac.uk

Remote, Manchester, UK

TECHNICAL ARCHITECT & FULL STACK DEVELOPER

June 2020 - Sep 2020 | Jan 2021 - Apr 2021

- Managed an Agile team of 6 to deliver Full Stack Web B2B applications for different clients.
- Led the Agile meetings, identified and delegated the tasks within the team.
- Led code reviews and acted as a mentor to the less experienced team members.
- Developed a vast application from the ground up. Working both on Front-End in **React & Typescript** and Back-End in **MySQL & NodeJS**.
- Solved hard problems with working around third party API limitations under deadline pressure.

### Freelancing - (last client - cvetyotamira.herokuapp.com)

Remote

WEB DEVELOPMENT FREELANCING (FULL STACK)

June 2020 - May 2021

- Wearing different hats and doing everything at the same time - designing, developing and managing.
- Managing communication with (a total of 2) clients to deliver updates with each step of the development process.
- Tech Stack for the last client: **React**, **NodeJS**(Express), **MongoDB**.

## Projects

### Stendhal - stendhalgame.org

Manchester, UK

AN OPEN-SOURCE JAVA PROJECT.

Sep 2020 - Dec 2020

- Improving a multi-user, multi-threaded, client-server application in **Java** as part of coursework at university. With over 6000 Java classes, 1800 JUnit test cases and over 10 years of commit history.
- Managing issue tracking, code quality, build automation, test automation and version control with old-school tools like Eclipse, **Git**, Apache Ant, Jenkins and JUnit.

### Portfolio - andreialeksanian.com

Manchester, UK

INCLUDES ALL MY RECENT PROJECTS AND UP-TO-DATE SKILLS DEMONSTRATION.

- The most appealing handmade student portfolio website to my knowledge!
- There is a nice home page stars animation - just don't move your mouse on the screen for a second.

## Leadership and Awards

### Student Rep

Improved the life of 270 students on campus as an elected student representative in the first year. Communicated student problems to university staff.

### Volleyball I

Led the team to victory and always pushed to perform at the best as the elected captain of the university team of 15 people for a year.

### Volleyball II

Won the best Moscow team title twice in a row. This was followed by securing the sixth-best place nationwide in 2014.