# Mihail-Emanuel Ghinea

mihailemanuelghinea@gmail.com          +447597232338          linkedin.com/in/mihailghinea/

## EDUCATION

**University of Manchester, Manchester, UK**                         SEP 2017 - JUN 2021
**BSc (Hons) in Computer Science**
- First-year grade: **84% - First Class**
- Courses: OOP in Java, Mathematics for CS, Distributed Systems, AI, Machine Learning, Software Engineering, Databases, Algorithms, Symbolic AI

**Machine Learning**
Stanford University, Coursera (online course)
- Enrolled in the 11-week Machine Learning course taught by Andrew Ng
- Topics include regression, neural networks, SVMs, clustering
- Every new concept is followed by a project in Matlab to test understanding

## WORK EXPERIENCE

**Software Engineering Intern at NetRom, Craiova (Romania)**          JUN-AUG 2018
- Worked on two administrative web applications
- The first one was for a client representing almost all theaters in The Netherlands. It used ASP.NET (C#) and an SQL Database
- Debugged and improved on an older codebase (10 years), spanning several projects
- The second was for a company that offers data and software solutions for airlines
- Developed a single page application in Angular to replace their old website. Data was provided via an API

**Intern at NetRom, Craiova (Romania)**                         AUG-SEP 2017
- Developed a front office application for the employees of the company where they could buy and schedule certain activities/facilities with "points" earned through seniority
- Used ASP.NET, mySQL, Razor Files (C# + HTML), JavaScript and CSS
- Worked both on front-end and back-end

## PROJECTS & EXTRACURRICULAR ACTIVITIES

**IARPA Mercury Challenge - iarpa.gov/challenges/mercury.html**   SEP 2018 - JAN 2019
- Placed 9th during the 1st phase and Disease Top Place overall
- Competed in the challenge to forecast catastrophic events in a team of four
- Digested the available data and provide early warning capabilities with Data Science techniques

**Stendhal MORPG - Software Engineering, Semester I**          SEP 2018 - DEC 2018
- Collaborated with 5 teammates on an open source game with a large codebase
- Followed a TFD approach with Java and JUnit

**Crowdwash - First Year Project**                         JAN-MAY 2018
- Worked with 5 teammates on an web app to ease the use of washing machines in halls
- Developed the back-end with Python/Django and mySQL

**Hackathons**
- Won **Best Software Hack** at ManMetHacks in 2019
- Won **Bot Programming Challenge** at GreatUniHack in 2018
- Won **Best Student Hack** at HackLeeds in 2018

**Informatics Olympiads**
- Achieved $4^{th}$ place at the county level in 2013 and 2015
- Gained significant experience in C++ and various data structures and algorithms

**PASS (Peer Assisted Study Sessions) Leader**               SEPT 2018 - PRESENT
- Holding weekly meetings as part of the scheme where we provide support to first years
- Currently in charge of helping with the Fundamentals of AI course unit

**Interact**                                        SEP 2014 - DEC 2016
- Elected Projects Director for 2015-2016 and then moved to recruitment after September 2016
- Improved my ability to work in a team and learned about leadership through organising various contests and events locally