

Mihail-Emanuel Ghinea

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EDUCATION

University of Manchester, Manchester, UK
BSc (Hons) in Computer Science

SEP 2017 - JUN 2021

- First-year grade: **84% - First Class**
- Courses: OOP in Java, Mathematics for CS, Distributed Systems, AI, Machine Learning, Software Engineering, Databases, Algorithms

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

SEP 2018 - PRESENT

- Competing in the challenge to forecast catastrophic events in North Africa and Middle East
- Using Machine Learning to digest the available data and provide early warning capabilities
- Coordinating with 3 other teammates to cover each existing category

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

Crowdwatch - First Year Project

JAN-MAY 2018

- Worked with 5 teammates on a 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 4th place at the county level in 2013 and 2015
- Gained significant experience in C++ and various data structures and algorithms

PASS Leader

SEPT 2018 - PRESENT

- Organising weekly meetings as part of the Peer Assisted Study Sessions scheme where we help first years with their studies by providing support and giving advice

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