

# Mihail-Emanuel Ghinea

[mihailmanuelghinea@gmail.com](mailto:mihailmanuelghinea@gmail.com)

+447597232338

[linkedin.com/in/mihailghinea/](https://linkedin.com/in/mihailghinea/)

## Education

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

Sep 2017 - Jun 2021

- Expected grade: **First Class**
- Courses: Java OOP, Maths, Algorithms & Imperative Programming (**C**), Software Engineering (**Java**), Distributed Systems (**Python**), Machine Learning (**Matlab**), Symbolic AI (**Prolog**), Databases (**SQL**)

## Work Experience

**Mindsphere/Digital Intelligence Intern at Siemens Energy, Lincoln**

Sep 2019 - Aug 2020

- Simplified the reporting of high level KPIs with a **React/Typescript** dashboard
- Designed and developed infrastructure and pipelines for Gas Engine data
- Helped inform business decisions with data visualisations in **Tableau**

**Vacation Project Assistant at University of Manchester**

Jun - Aug 2019

- Founding member of the Manchester University student software company
- Developed a drag and drop mini-game for the Manchester Museum in **React/Typescript**
- Worked on a multi platform app (**Dart, Flutter, Firebase**) which simplifies organising amateur boat races

**Software Engineering Intern at NetRom, Craiova (Romania)**

Jun - Aug 2018

- Worked on two administrative web apps: a scheduling tool and a data aggregation tool
- Debugged and improved on a large codebase (**ASP.NET, C#, SQL**)
- Modernised an old website, replacing it with a single page application in **Angular (Typescript)**

**Intern at NetRom, Craiova (Romania)**

Aug-Sep 2017

- Built a web app for managing employee benefits
- Utilised **ASP.NET, MySQL**, Razor Files (**HTML** with injected **C#**), **JavaScript** and **CSS**

## Projects & Extracurricular Activities

**Scientific and Technical committee member - [agm-contest.com](https://agm-contest.com)**

Sep 2019 - PRESENT

- Part of the organisation of the AGM international programming contest for highschool students
- Maintaining a dockerised [domjudge](https://domjudge.org) (an automated system for programming contests) on Digital Ocean
- Formulating statements, writing the source code and tests for contest problems

**IARPA Mercury Challenge - [iarpa.gov/challenges/mercury.html](https://iarpa.gov/challenges/mercury.html)**

Sep 2018 - Jan 2019

- Competed to forecast catastrophic events and provide early warning capabilities
- Made extensive use of **Python** data manipulation libraries (Tensorflow, Pyplot, Pandas and Numpy)
- Placed 9<sup>th</sup> during the 1<sup>st</sup> phase and Disease Top Place overall

## Hackathons

- Won the **Programming Challenge** at Facebook Hack-a-Project in 2019
- Won **Best Software Hack** at ManMetHacks in 2019
- Won **Bot Programming Challenge** at GreatUniHack in 2018
- Won **Best Student Hack** at HackLeeds in 2018

**Software Engineering - Second Year Course**

Sep 2018 - May 2019

- Collaborated to develop new features for an open source Java project ([Stendhal](https://stendhal.org))
- Built a webapp for event scheduling in **Java Spring Boot** using Test-Driven Development

**Crowdwatch - First Year Project**

Jan-May 2018

- Worked in a team on a web app to ease the use of washing machines in halls
- Developed the back-end with **Django (Python)** and **MySQL**

**PASS (Peer Assisted Study Sessions) and PASS2 Leader**

2018 - 2019, 2020 - PRESENT

- Organising weekly meetings as part of the scheme to provide support to first and second year students