

# Tania Turdean

## EDUCATION

### UNIVERSITY COLLEGE LONDON

MSCI MANAGEMENT SCIENCE  
MINOR IN INTELLIGENT SYSTEMS  
FIRST CLASS HONOURS (73.2 %)  
Sep 2019 - Jun 2023 | London, UK

### "ONISIFOR GHIBU" HIGH SCHOOL

MATHEMATICS AND COMPUTER  
SCIENCE  
Grad. May 2019 | Cluj, Romania

## LINKS

Website:// [taniaturdean](https://taniaturdean.com)  
Github:// [taniaturdean](https://github.com/taniaturdean)  
LinkedIn:// [Tania Turdean](https://www.linkedin.com/in/tania-turdean)

## SKILLS

### TECHNICAL

Advanced  
Tableau • Excel • SQL • Github • SPSS  
Intermediate  
C++ • Python • R • Matlab •  
Mathematica • HTML • Git

### LANGUAGES

English (C1 Certified Level) •  
Romanian (native)

## HACKATHONS

### GOOGLE KICSTART 2020

top 57% | [:// my solutions](#)  
Solved algorithmic challenges in C++

### AMERICAN EXPRESS AND MICROSOFT 2019

Implemented a warning system  
based on classification trees in R to  
decrease default rates of AMEX  
customers

## EXTRA-CURRICULAR

### JP MORGAN CHASE | SOFTWARE ENGINEER EXPERIENCE

May 2020 | Virtual  
Worked in Python to improve the usability  
of graphs showing stocks ratios

### ROLLER FIGURE SKATING

2009 - Present  
Won multiple international medals

## EXPERIENCE

### BOMBINATE | DATA OPERATIONS INTERN

June 2021 - September 2021 | London, UK

- Handled the data operations of the company by creating data dashboards or reports
- Developed the only user-interface for the retailer's brands partners to display their sales, orders and views using time-series or bar plots, and SQL to query the vast production data

## RESEARCH

### UNIVERSITY COLLEGE LONDON | RESEARCH ASSISTANT FOR ACADEMIC RESEARCH PAPER

Sep 2020 - Dec 2020 | London, UK

- Worked with Daphne Sobolev on outlier analysis of a 600 participants experiment about managers and ethics
- Found statistically significant correlations – performed linear regression in SPSS and used Cook's Distance in MATLAB to eliminate 5 % of the outliers

## POSITIONS OF RESPONSIBILITY

### UCL DATA SCIENCE SOCIETY | SCIENCE EXECUTIVE

Apr 2020-Mar 2021 | London, UK

- Created a data visualisation workshop in Python, reporting Covid cases using choropleth maps, timelines, spider charts, plots
- Delivered 4 live online workshop to 20-30 students: **Pandas, data visualization, k-NN, Support Vector Machine**

## UNIVERSITY PROJECTS

### TEXT ANALYSIS WITH TWEETS | GRADE: 75.2 %

[:// Twitter project](#) | May 2021

- Using tweets mentioning the music festival @bottlerocknapa, summarised tweets' reach, time, common words, happiness score, hashtag count - with charts in R, Python or Tableau
- Came up with a profit increase scheme by predicting tweets' reach with a weighted average model (random forest and xgboost) and targeting tweets with the highest reach

### KNAPSACK PACKING | GRADE: 70 %

[:// Coding project](#) | Mar 2021

- Improved the quality and design of the code of 4 versions of the 0-1 knapsack algorithm in Python
- Analysed their time complexity to quantify the business implications for marketing workforce scheduling, then created a user interface for better visibility

### TIME SERIES - NICU HOSPITAL GROUP PROJECT | GRADE: 77 %

[:// Time-series report](#) | Feb 2021

- Concluded that the NICU hospital should not extend the number of beds by predicting a decreasing trend of US births using an additive seasonality model and centred moving average in R and Tableau