

# Bence Luo

Portfolio | GitHub  
bence.luo899@gmail.com | +447766151388 | LinkedIn

## EDUCATION

### UNIVERSITY OF WESTMINSTER

BSc(HONS) IN COMPUTER SCIENCE  
2018-Present | London, UK  
Grade 1st

### CAMBRIDGE TUTORS COLLEGE

A LEVEL  
Sep 2016 | London, UK  
Computer Science  
Maths  
Physics

## AWARDS

2013 May | Rotary Youth Speak  
Competition  
2014 Feb | Jack Petchey Award - Table  
Tennis, Computer Science Ambassador

## COURSEWORK

### ENCRYPTION / PYTHON

ENCODING/DECODING STRING  
USING PYTHON  
AES Encryption  
Security Analysis  
CAESAR Cipher  
SALT HASHING  
Defending Computer Networks/  
DATABASES

### RENTAL SYSTEM /JAVA

VEHICLE RENTAL SYSTEM  
OOP / OOD  
FIND/SORT Algorithms  
Java Swing  
File Input/ Data Handling  
GUI Features

### SOFTWARE DEVELOPMENT

EUROPEAN UNION PROJECT  
ANALYSIS PROGRAM  
Planning Phase  
Wireframes/ UML/ ERD/ USE CASES  
Implementing Phase  
MySQL/ GITHUB/ OOP design/ JAVA/  
SALT HASHING

## SKILLS

### PROGRAMMING

Java • C-Sharp • Python • Javascript  
HTML • CSS • SQL • PHP • .NET  
Framework  
Familiar  
•AWS Lambda • Shell • Assembly • React

## EXPERIENCE

### HARRODS TECHNOLOGY | TECHNOLOGY ASSISTANT

Sep 2018 - Jan 2019 | London, UK  

- Provided information about the tech products.
- Handled any customer queries and complaints.

### ROLLS ROYCE | OPERATIONS AND CONTROLS

July 2018 - July 2018 | BRISTOL, UK  

- Responsible for tracking certain parts of products using SAP, coming through the logistics system and reporting any inconsistencies and missing parts.
- Assigned into the operations unit by a supervisor and toured around the facilities

### SCIENCE AND TECHNOLOGY FACILITIES CENTER | FRONT END DEVELOPER for Auto Reduce

Aug 2015 - Aug 2015 | Oxfordshire, UK  

- Worked with the Mantid Science team on developing a web application for scientists to receive and compress scientific data from the Hadron Collider.
- Responsible for creating logistics of data handling using JAVA and PHP.

### RUTHERFORD APPLETON LABORATORY | XML Researcher on the neutron and muon source project

Jul 2014 - Jul 2014 | Oxfordshire, UK  

- Been introduced to GitHub and Python programming .
- Learnt practices of how to document a research project.
- I was responsible for documenting unique sources of both pulsed neutrons and muons for exploring properties of matter and also documenting how to use the tools that the Mantid project offers, where I wrote a guide about how to create XML files. This contribution has allowed me to make a difference for the first time.

## RESEARCH

### CORONAVIRUS PROJECT/ REACT | Collaboration Project

May 2020 | London, UK  
Built React/Gatsby web application for visualising Coronavirus cases using 'Novel Covid API'.

### LEGO DATABASE PROJECT / SQL | Inventory Control System

Jan 2019 - April 2019 | London, UK  
Collaborated in a project which aims to improve the management of Lego parts. Dr Barikzai is involved in developing a learning enrichment environment at local schools to give opportunities for students to build up their IT skills. Worked with **Erika Huszar** to create a Inventory Control System, a database tool which sorts the Lego pieces into groups.

### EXTENDED PROJECT QUALIFICATION/ RESEARCH | ARTIFICIAL INTELLIGENCE, MACHINE LEARNING

Jan 2015 - May 2015 | London, UK  
I have Undertook an EPQ related to computer science, which focused on Computer security and Machine Learning. Investigating whether 'is it possible to predict crimes before they occur with the current technology'.