Bence Luo

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| Github: https://github.com/bence899
linkedin.com/in/bence-luo | Portfolio:https://bence899.github.io/ | References available upon request

Personal Profile

I'm a confident, skilled and knowledgeable Computer Science student with extensive knowledge of programming and computer applications, looking for an opportunity in the field of data science and machine learning. I'm currently studying at the University of Westminster, which has allowed me to realise the creations that I have conceptualised in my mind. I am looking to join a progressive organisation where I can offer my skills and expand my expertise.

I have a keen interest in consumer electronics such as using my Alexa devices and Phone creating many automation routines. In my spare time, I like to also play online strategy games like conqueror's blade and practising magic tricks.

I have also participated in various outdoor field trips such as the Duke of Edinburgh Award and the National Citizen Scheme, the latter was signed by the then Prime Minister David Cameron for our participation in giving back to the community. I have also competed in various table tennis events, making it to the Jack Petchey Table Tennis Junior UK Nationals.

Education

Computer Science BSc (2018 – Present)

University of Westminster (Predicted grade: First-Class Honours)

So far, I have taken part in various computer science projects, practising data migration to SQLite with a secure login system for a front and back end Java data modelling application. I have used various IDEs, such as IntelliJ and X-code, as well as some back end server applications such as Glassfish. I have also been able to design and build large scale applications using ERDs, use case diagrams, wireframes amongst other UML diagrams.

A such, I have learnt how to develop in HTML, CSS, JavaScript, Python, Java, SQL and C# amongst many other languages. Using these languages, I have been able to contribute with my teams towards real-world projects such as creating an EU Data Analysis program and creating a website which educates others on python amongst other languages. As part of learning these languages, I have learnt the fundamentals of object-oriented programming, for example being able to instantiate several objects using a class's template (i.e Polymorphism) and how to collaborate with my peers using repositories such as Github. You can see all my projects on Github.

Using all of the above skills I have learnt thus far, I am looking to incorporate those into one larger project as part of my final year dissertation, and thus further demonstrate how this applies to a real-world development environment.

A level (2015 – 2018)

Cambridge Tutors College

Subjects: Maths, Physics, Computer Science

Projects

Code Culture

Volunteering in giving seminars for students to help them understand more about the uses of the computer science field.

- Teaching HTML, CSS, JavaScript, Github and design for students
- Developing a skill to share resources with others and collaborate as a team.
- Learnt to work with unmotivated students and think of a way to explain to them the theory in a more creative and interesting way.

Auto reduce

As part of my work in the Science and Tech Facility, I worked on Improving the front end of how the website collects big data sets from the atom accelerators.

- Learnt how to use Git repositories with GitHub
- Understanding the essential principles of teamwork in business environments to successfully undertake a project.
- Learnt how to apply data analysis techniques towards gathered information about particle emissions.
- Learnt basic principles of how compression works

Mantid Project

My contribution to the mantid project: https://www.mantidproject.org/Using_XML_Schema.
The project I was working on for 2 weeks was to investigate unique sources of both pulsed neutrons and muons for exploring properties of matter by measuring the locations of atoms and the forces between them

- Been toured around the facilities of STFC.
- Learnt practices of how to document a research project.
- Learnt Basic python programming

Other Skills and Achievements

- Being able to effectively and efficiently work with my colleagues.
- Ability to take responsibility for large projects and consistently push myself and my team to learn the necessary skills to provide what is expected in achieving our end goal.
- Demonstrate excellent communication skills through leading Viva presentations and through rotary youth speaking competition.
- Participated in Astrophysics Strand STEM World Summer School (11th -14th August 2014)
- Participated at the Rotary Youth Speak competition (4th place)

Experience

Harrods – Dixon Carphone (Sept 2018 - Jan 2019)

Harrods Technology Representative
- Provided information about the tech products the company sold, handled any customer queries and complaints and selling the products to the customers.
- Always maintaining a friendly manner and remain calm and positive when handling complaints.
- Handling many VIP clients, I quickly achieve outstanding results and resolve complex customer issues.
- In order to adapt to an ever-changing and demanding environment like the Harrods shop floor, I have learnt to become proficient in prioritising various tasks without losing any quality of service.

Rolls-Royce Bristol (July 2018 - 1 week)

Planning & Control Work Experience
- Responsible for tracking certain parts of products using SAP, coming through the logistics system and reporting any inconsistencies of parts and missing parts.
- I had the opportunity to learn the operations of how a team communicates when repairing the MTP400 engines and also discovered many tools the company uses to handle the important data like delivery of parts handling of parts and how they track parts around the company.
- I learnt about the emerging technologies that were used by the business to operate their production and repairs, such as RFID tags used on components to keep a database of these parts and know the location of these parts.
- Assigned into the operations unit by a supervisor and toured around the facilities

Science and Technology Facilities Council (STFC) (July 2015 - 2 weeks)

Software development Work Experience
- Introduced to new tools and technologies this organisation uses in the software development department to work on a project as a team using software called Git and GitHub.
- I have participated in one of the projects called 'Auto Reduce', as demonstrated in the projects section above

Rutherford Appleton Laboratory at STFC (July 2014 - 1 week)

Research development Work Experience
- Introduced to the basics of python programming.
- Created a simple graphics application (bouncing balls) from the provided tutorials provided in the session.
- This experience offered me a uniqueness of the diversity of world-leading expertise.