

# Bence Csiba

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## EDUCATION

### University of Bath

*BSc (Hons) Physics with Year Long Work Placement*

*Oct 2018 - Jul 2022*

- Awarded Upper Second Class Honours, with an overall average of 66.75%
- Highlights include 80% in Mathematical Methods for Physics 2 (Linear Algebra, Statistical Modelling), 77% in Quantum & Atomic Physics (Probability).
- Achieved a First for my Final Year Project, where I worked in a small team with the Met Office to build a neural network to predict water wave heights from a nearby weather radar using TensorFlow and Py-ART.

### Other Achievements

- Awarded an AWS Scholarship to study the AI programming with Python Nanodegree via Udacity (2022)
  - Built deep learning models, such as a flower classifier using transfer learning from VGG16 in PyTorch
  - Selected for the Advanced Program (Top 25% of students), building models on AWS using PyTorch
- Deep Learning Specialisation, deeplearning.ai via Coursera (2020)
- UKMT Senior Team and Individual (Silver) Maths Challenge (2018)

## RELEVANT EXPERIENCE

### Kubrick Group

*Machine Learning Engineer*

*Apr 2023 - Present*

- Completed a comprehensive 17-week training period, covering SQL, Docker, MLOps, Time Series Analysis, Spark, PyTorch, NLP, Deep Learning and command line environments. Also achieved the AZ-900 certification.
- Developed a Random Forest model for predicting banking churn on an artificially generated dataset.
- Deployed solutions using FastAPI and Postman and containerised using Docker.
- Collaborated in small teams using git, GitLab and MS Azure.

### NextWave Consulting

*Associate Consultant (Appian Developer)*

*Sep 2022 - Apr 2023*

- Achieved the Appian Associate Developer Certification.
- Lead the development of an internal onboarding tool. This included building a coherent and efficient data model, which was built using MySQL. Data was used dynamically throughout to optimise efficiency and reduce the likelihood of mistakes.
- Placed at a FTSE 100 insurer, building an internal tool to automate processes and data pipelines. Progress was communicated to non-technical stakeholders, including senior figures, business analysts and end users. Data was ingested from user inputs and databases using Kafka.

### FedEx Express International

*Project Management Office (Global IT Infrastructure) Intern*

*Oct 2020 - Sep 2021*

- Developed my knowledge of IT infrastructure and how it is managed and upgraded in an efficient manner.
- Analysed data, performed data discovery, and presented findings using Excel and other tools for 100s of servers and 1000s of devices/users.

## OTHER EXPERIENCE

### Bath Ultimate

*Treasurer*

*2021/2022*

- Responsible for the financial running of the club and player participation in large tournaments
- Managed a club budget of £4,000 in addition to money raising activities to support the club
- Analysed and forecasted spending requirements to allow subsidies to encourage people from lower socioeconomic backgrounds to participate

*Coach*

*2019/2020*

- Responsible for running training sessions for upwards of 50 people, utilising my leadership, organisation, and communication skills. Culminated in a 4<sup>th</sup> place finish at University Mixed Indoor Nationals, 2020

## SKILLS & INTERESTS

**Skills:** Python (Pandas, Numpy etc), TensorFlow, PyTorch, Keras, SQL, Docker, Azure, Appian, Hungarian

**Interests:** Ultimate (Selected for European Championships, 2023), Flute, Piano