**Charlie Bell**

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**WORK EXPERIENCE**

**Bilfinger Life Science Automation GmbH**

**June 2019 – December 2022**

*Software Engineer*

*Berlin, DE*

* Lead software engineer on international projects with contract volumes over €1 million.
* Primary engineer responsible for the modernisation of Latvia's national gas storage facility with 100% client feedback satisfaction rating.
* Employed machine learning expertise to create and sell additional services, adding a value of 5-10% contract volume per contract.
* Responsible for conception, design, implementation and testing of safety-critical automation systems.

**EDUCATION**

**Imperial College London**

**October 2017 – September 2018**

*MSc Control Systems*

**University of Exeter**

**September 2014 – September 2017**

*BEng Mechanical Engineering*

* Dean's list 2015 & 2016.
* Treasurer for Engineers without Borders.

**PROJECTS**

**Landslide Detection**

**September 2022**

* Used Digital-Terrain Mappings and CNNs to detect recent and relict landslides with an F1-Score of 0.86.

**Chazbot**

**October 2022**

* Used a neural network, NLP and GPT-3 to create a personalized chatbot with realistic and accurate responses.

**CERTIFICATIONS, SKILLS & INTERESTS**

* **Certifications:** Machine Learning from Stanford University; Deep Learning from deeplearning.ai; Machine Learning with Python from IBM Skills Network; Mathematics for Machine Learning from Imperial College London.
* **Skills:** Python; C++; SQL; mySQL; PostgreSQL; NLP; NLTK; SpaCy; Pytorch; Huggingface; Numpy; Pandas; Matplotlib; Scikit-Learn; git; GitHub; Docker; Kubernetes; Linux; DigitalOcean (AWS); German; Analytical; Creative; Independent; Communication; Time Management, Project Management.
* **Interests:** Large Language Models, NLP, Calisthenics, Parkour, Rock Music (Bon Jovi rocks on occasion).