**Charlie Bell**

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**WORK EXPERIENCE**

**Untapped AI**

**April 2023 – Present**

*AI Engineer NLP*

* NLP research and production alongside fortune 500 companies.
* Built pipelines, processes and procedures for a new NLP department.
* Trained LLM networks to create product prototypes. (PyTorch, Hugging Face, BigQuery).
* Created platforms to demo with stakeholders. (React JS, Node JS, postgreSQL, Flask).
* Created inference pipelines for internal testing. (Django, SQL, AWS: S3, EC2, ECR, SageMaker).
* Collaborated with industry leaders to produce whitepapers.

**Bilfinger Life Science Automation GmbH**

**June 2019 – December 2022**

*Software Engineer*

* Lead software engineer on international projects with contract volumes over €1 million.
* Modernized Latvia’s national gas storage facility with 100% client satisfaction rating.
* Employed machine learning to add a value of 5-10% contract volume.
* Oversaw conception, design, implementation and testing of safety-critical automation systems.

**EDUCATION**

**Imperial College London**

**October 2017 – September 2018**

*MSc Control Systems – Department of Electrical and Electronic Engineering*

**University of Exeter**

**September 2014 – September 2017**

*BEng Mechanical Engineering – College of Engineering, Mathematics and Physical Sciences*

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

**CERTIFICATIONS, SKILLS & INTERESTS**

* **Skills:** Python; C++; JavaScript; SQL; PostgreSQL; NLP; LLM; NLTK; SpaCy; Pytorch; Hugging Face; Transformers; Large Language Models; fastai; Numpy; Pandas; Matplotlib; Scikit-Learn; git; GitHub; Docker; Kubernetes; Linux; AWS; SageMaker; S3; EC2; ECR; Django; Flask; Node JS; React JS; German; Analytical; Creative; Independent; Communication; Time Management, Project Management.
* **Interests:** Calisthenics, Parkour, Guitar.