James Borgars MBCS, MIET

MEng, BSc Computer Science

Email: james@borga.rs
Phone: 07973844094

EMPLOYMENT

Sep 2025 – Present **Lloyds Banking Group** · Technology Engineering Graduate

Working in the Data, Advanced Analytics & Insights team, engineering data pipelines with colleague data to derive insights and performance metrics for a user base of over 30,000 colleagues.

Jun 2024 – Sep 2024 **BT Business** · Technical Designer (Internship)

Focused on SD-WAN solutions, including Palo Alto and Genesys Cloud extensively. Presented a Request for Proposal to re-engineer a network estate for 600 employees. Received a graduate scheme offer.

Jul 2022 – Sep 2023 **Virgin Media O2** · Core Transmission Designer (Internship)

Designing connectivity solutions for VMO2 and its customers with contract values exceeding £1,500,000. Documented incoming technologies and provided quality assurance. Subject Matter Expert on new topology schematics and facilitated automation and process improvement. Received a graduate scheme offer.

PUBLICATIONS

A.K. Abbas et al. 2026. **Midline-Constrained Loss in the Anatomical Landmark Segmentation of 3D Liver Models.** *Medical Imaging Understanding and Analysis*. Lecture Notes in Computer Science. **15917**.

J. Borgars et al. 2026. **Intraoperative Segmentation Through Deep Learning and Mask Post-processing in Laparoscopic Liver Surgery**. *Medical Imaging Understanding and Analysis*. Lecture Notes in Computer Science. **15918**.

T. Chen et al. 2025. **Preoperative to Intraoperative Deformed Liver Volumes Registration**. *Medical Imaging Understanding and Analysis*. Frontiers in Medical Technology.

EDUCATION

2020 – 2025 **University of Leeds** · MEng, BSc Computer Science (Industrial)

First Class Honours, achieving 78%. Attained first class pass in 35 modules, with over 80% in 20 modules, and over 90% in 5 modules. Full transcript available on request.

2012 – 2019 **Haberdashers' Adams** · A Level and GCSE Student

A*AAB in Maths, Further Mathematics, Computer Science and French. 10 GCSEs at A* or A (or equivalent).

PROJECTS

2025 **The ARMADILLO Project** · MEng Dissertation
Utilising deep learning in liver laparoscopy, leading to three publications. Graded First Class at 87%.

2024 **Latency-aware VNF placement algorithm design** · BSc Dissertation
Algorithm design in a Network Slicing architecture to reduce latency. Graded First Class at 75%.

2022 **Electric Scooter hire system** · Group University Project
Led seven people in a MERN stack application, organising the group whilst being the largest contributor.

2021 **Nintendo DS Buffer Overflow** · Independent Project
Arbitrary code execution achieved using a buffer overflow exploit found in save game data.

SKILLS

Python · C/C++ · JS/TS · Node.js · Linux · Bash · VBA · Git · Jira · SQL · MongoDB · AI · Data Science
Deep Learning · PyTorch · Networks · Agile · Teamworking · Adaptability · Problem Solving · French