

Summary :

Structural Engineering

- Through a BSc degree in Civil Engineering and an MSc in Structural Engineering, I have a strong foundation in engineering concepts, project management, construction methods, and design procedures that are pertinent to buildings, bridges, and roadways.
- I am currently working as a Graduate Civil Engineer, applying engineering knowledge to real-world projects and contributing to safe and efficient construction outcomes.
- Research Intern, Brunel University – Conducted experimental and computational research on alkali-activated materials (AAM), investigating mix design, mechanical properties, and durability for sustainable concrete applications.
- Being part of collaborative environments (sports clubs, universities, internships) has refined my communication skills in the office and on-site, enabling effective coordination with clients, contractors, and coworkers.
- I am proficient in using structural design software such as AutoCAD 2D, Revit, BIM 360, Abaqus, SAP2000, SAFE, and ETABS, and have experience with both traditional hand calculations and modern tools to help streamline design and project execution.
- Graduate (GMICE) member of the Institution of Civil Engineers (ICE) and the Institution of Structural Engineers (IStructE), with a clear ambition to achieve Chartered Engineer status and deliver safe, durable, and sustainable structures.
- Certified in 3D scanning and modelling with Leica Geosystems (Cyclone 360, Brickscad, 3RD), with hands-on experience in site engineering, technical coordination, and project support.
- Certified Mental Health First Aider, trained to recognise, support, and respond to individuals experiencing mental health challenges or crises within construction and site-based environments.

Education:

September 2024 – October 2025 **MSc Structural Engineering, Brunel University of London**, Grade (With Distinction)

Finished Modules

- CE5601 Nonlinear Structural Analysis and Finite Element Method → Grade (A+)
- CE5603 Advanced Steel Design → Grade (A*)
- CE5607 Advanced Reinforced and Prestressed Concrete Design → Grade (A+)
- CE5519 Infrastructure Management → Grade (A+)
- CE5617 Advanced Geotechnical Engineering → Grade(A*)
- CE5606 Advanced Construction Materials and Structural Retrofitting Technology → Grade(A+)
- CE5602 Structural Dynamics and Seismic Design → Grade (A+)
- CE5519 Civil Engineering Dissertation → Grade (A)

September 2021 – June 2024 **Bcs Civil Engineering Epoka University, Albania**

Grade (80.1/100 with Honours)

Key Modules

- | | |
|---|---|
| • Civil Engineering Drawing (AutoCAD) → Grade (BA) | • Mathematics For Engineers → Grade (CB) |
| • Calculus 1,2,3 → Grade (BA) | • Structural Analysis → Grade (BB) |
| • Introduction to Computers and Programming (Python) → Grade (BA) | • Reinforced Concrete Fundamentals → Grade (BB) |

Relevant Employment History

Structural Engineer & Precast Design Coordinator – JRL Group (UK)

April 2026 – Present

- Coordinated precast concrete design packages in compliance with Eurocodes, British Standards, and project specifications.
- Developed and reviewed structural models in Autodesk Robot Structural Analysis to assess load paths, member capacities, and overall performance.
- Produced and reviewed precast design and reinforcement detailing using Revit (C/One) and Tekla Structures, ensuring buildability and drawing quality.
- Managed multidisciplinary coordination using Revit and BIM 360, resolving clashes across structural, architectural, and MEP models.
- Reviewed structural drawings, RFIs, and technical submissions, liaising with engineers, architects, contractors, and manufacturers.
- Supported design coordination meetings and site activities to ensure efficient fabrication and installation of precast elements.

Graduate Civil Engineer – Elysium Construction Ltd (UK)

October 2025 – May 2026

- Provided site engineering support, including setting out, quality checks, and progress monitoring.
- Assisted in reviewing drawings, specifications, and RFIs, coordinating with design teams and subcontractors.
- Supported preparation of method statements, risk assessments, and safe systems of work.
- Managed material take-offs, deliveries, and basic cost tracking alongside the commercial team.
- Compiled inspection records, reports, and handover documentation while ensuring compliance with H&S and industry standards.
- Engaged in professional development towards ICE/IStructE/CIHT accreditation.

Research Intern, Brunel University of London Laboratory

June 2025 - September 2025

- Conducted experimental research on Alkali-Activated Materials (AAM) and low-carbon concrete formulations
- Designed and executed laboratory tests on fresh and hardened properties, including workability, setting time, and alkali dosage optimisation
- Applied analytical techniques to interpret material performance and provide actionable insights for sustainable construction solutions

Civil Engineering Internship - 'Selimi SHPK' Construction Company

May 2023- August 2023

- Assisted with on-site inspections to keep an eye on the construction process and make sure that work was being done in compliance with building rules, safety regulations, and design specifications.
- In an effort to reduce risks, I took part in safety audits and inspections, spotting possible dangers on the property and making sure that health and safety laws were followed.

CERTIFICATIONS & PROFESSIONAL MEMBERSHIPS

- **Graduate Member (GMICE)** — Institution of Civil Engineers (ICE)
Professional membership demonstrating commitment to the civil engineering profession and progression toward Chartered Engineer (CEng) status.
 - **CSCS White Card (Managers and Professionals)** — CITB | 2026–2031
Authorised access to UK construction sites in a managerial/professional capacity, demonstrating understanding of health, safety, and site compliance requirements.
 - **Leica Geosystems Certificate** — Training in the use of surveying and geospatial equipment.
-

Technical Project Work

The optimising infrastructure of Kew Railway Bridge: a comprehensive study on the bridge inspection, repair, sustainable and resilience-based solutions

- **In-depth Analysis:** Conducted a detailed study on the structural integrity of Kew Railway Bridge, assessing current inspection techniques and maintenance practices.
- **Sustainable Solutions:** Developed and proposed sustainable repair solutions to optimise the long-term performance and minimise environmental impact.
- **Resilience Planning:** Focused on enhancing the resilience of infrastructure, ensuring the bridge can withstand future challenges such as climate change and increased traffic loads.
- **Project Management Skills:** Managed the coursework project, demonstrating the ability to work independently and in collaboration with others to achieve project goals.

Investigation into the Mix-Design of Low-Carbon Concretes

- Researching alkali-activated materials to replace cement in concrete.
- The benefit of this is to reduce the CO2 in the atmosphere.
- Approximately 8% of CO2 in the atmosphere is from cement production. Replacing cement with alkali-activated materials (Sodium Hydroxide and Sodium Silicate) and fly ash plus granulated blast-furnace slag will have a very positive impact on the environment.
- This Experiment requires around 50 concrete mixes (AAM + Portland cement) at different temperatures, strengths, and humidity levels to analyse all properties and differences between them.

Other Work Experience -Manager in a Restaurant and Hotel, 2018- During free time

- Supervised a team of [40] employees, including front desk staff, chefs, waitstaff, and housekeeping, ensuring smooth operations across all departments at my father's businesses
- Gaining skills in Leadership & Team Management as well as communication.