



CHIHEB BOUSLIMI

CIVIL STRUCTURAL ENGINEER

CONTACT

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ABOUT ME

Highly motivated and detail-oriented recent civil engineering graduate, with hands-on experience in internship roles including assisting in the design and planning of urban infrastructure, as well as the structural analysis and detailing of residential and commercial buildings.

Proficient in various BIM tools, with strong analytical skills and a passion for sustainable engineering solutions. Well conversant with standard codes such as Eurocode and QCS 2014.

Seeking to apply theoretical knowledge and practical experience to contribute to a dynamic organization with a focus on delivering sustainable, efficient, and high-quality engineering solutions in structural and infrastructural projects.

EDUCATION

University of Debrecen | Debrecen, Hungary
Bachelor's Degree in Civil Engineering

EXPERIENCE

Site Civil Engineering Intern | Al Darwish Engineering Company | Qatar
September 2024 – Present

Project: Roads and Infrastructure in Al Kharaitiyat and Izghawa - Phase 1 - Package 04

Client: Public Works Authority (Ashghal)

Key Responsibilities:

- **Earthworks Supervision:** Overseeing excavation, grading, and compaction activities to prepare sites for utility installations. Attending and evaluating compaction tests (Proctor and Field Density Tests). Inspecting ground conditions and trench formation level to ensure compliance with geotechnical and project specifications.
- **Detection of Existing Utilities:** Conducting surveys and coordinating with utility detection teams to identify and map existing underground services, minimizing disruption during excavation. Ensuring the proper protection of the existing services before starting the relevant action work.
- **Dewatering Operations:** Monitoring and managing dewatering systems to maintain dry working conditions during trench excavations, ensuring stability and safety.
- **Pipeline Installation:** Supervising the laying of various types of pipes, including HDPE, GRP, uPVC and reinforced concrete (RC), ensuring proper alignment, jointing, and backfilling.
- **Manhole Construction:** Managing the construction and installation of precast (e.g. Polymer Resin Concrete manholes) and cast-in-situ

SOFTWARE SKILLS

- ❖ *Design & Drafting:*
AutoCAD, ArchiCAD, Revit STR
- ❖ *Structural Analysis:*
AxisVM, FEM Design, STAAD Pro, ETABS
- ❖ *Geotechnical Analysis:*
Geo5
- ❖ *Project Management:*
Primavera P6, MS Excel

LICENSES

Urban Planning and Development Authority - UPDA Registered

LANGUAGE PROFICIENCY

Arabic
English
French

manholes for foul sewer and surface water, verifying reinforcement placement, concrete pouring, and curing procedures.

- **Trench Excavations:** Coordinating trench and shafts excavation activities, ensuring adherence to project requirements while implementing shoring techniques for stability.
- **Concrete Works:** Overseeing the pouring and curing of concrete for utility structures, including thrust blocks and pipe encasements, ensuring strength and durability.
- **Team Coordination and Quality Control:** Working closely with contractors, surveyors, and foremen, supervising and assigning of duties and descriptions to resolve technical issues, ensuring timely progress on utility installation.
Preparing inspection reports and QA/QC documentation to meet client and consultant standards, emphasizing compliance with the project specification and QCS 2014.
- **Safety and Compliance:** Ensuring on-site safety by implementing hazard assessments and compliance with construction safety standards.

Structural Engineering Intern | KÉSZ Group | Budapest, Hungary June 2023 – August 2023

Key Responsibilities:

- **Structural Calculations and Analysis:** Performing detailed structural calculations for steel, reinforced concrete, and timber residential and commercial structures, ensuring compliance with Eurocodes and Hungarian National Annex.
Conducting load analysis, stress distribution studies, and stability assessments using advanced engineering software such as AxisVM and FEM Design.
- **Design Optimization:** Collaborating with senior engineers to optimize structural designs for cost efficiency, material usage, and sustainability while maintaining structural integrity.
Participating in the conceptual and detailed design phases of structural elements, including beams, columns, slabs, and connections.
- **Technical Drawing Preparation:** Producing high-quality technical drawings and blueprints for construction projects using AutoCAD and ArchiCAD, ensuring accuracy and adherence to project specifications.
Preparing detailed reinforcement drawings and steel fabrication drawings, highlighting key design features and technical requirements.
- **Documentation and Reporting:** Generating design calculation reports, material specifications, and construction schedules for submission to project stakeholders.
- **Interdisciplinary Coordination:** Coordinating with architects, MEP engineers, and contractors to ensure seamless integration of structural designs into overall project workflows.
- **Software Proficiency:** Utilizing engineering and design tools such as AxisVM, FEM Design, AutoCAD, ArchiCAD and Revit for analysis, modeling, and drawing production.

Civil Engineering Intern | SONEDE (National Water Exploitation and Distribution Company) | Ben Arous, Tunisia

June 2019 – August 2019

Key Responsibilities:

- **Pipeline Installation:** Supervising the laying of water supply pipelines, including trench excavation and backfilling, pipe alignment, and joint sealing for optimal system performance.
- **Utility Connections:** Overseeing the installation of house connections lines to provide drinking water to underserved areas, ensuring proper meter setup and operational functionality.
- **System Rehabilitation:** Diagnosing issues in existing pipelines, such as blockages, leaks joint misalignments, conducting the necessary tests such as CCTV Pipeline Inspections and Air tests, and implementing solutions, including pipe replacements and repairs.
- **Dewatering and Safety Measures:** Monitoring dewatering and trench stabilization activities to maintain safety during pipeline repairs.
- **Pressure Testing:** Conducting hydrostatic pressure tests on newly installed pipelines to confirm system reliability and water tightness. Ensuring that all the tests required in local standards and project specifications have passed the analysis and submitted for PMC/Engineer's approval as often as required.
- **Quality Assurance:** Monitoring materials and workmanship to ensure adherence to national water distribution standards and guidelines. Ensuring that all approved QA&QC procedures/documents are available and implemented by the construction team throughout the duration of the project.
- **Project Reporting:** Compiled site progress reports for submission to project managers and ensured proper documentation of test results.

AREAS OF EXPERTISE – SUMMARY

- ✓ **Structural Analysis & Design (Steel, Reinforced Concrete, Timber)**
- ✓ **Geotechnical Analysis and Groundworks**
- ✓ **Surveying Techniques & Tools**
- ✓ **Construction Materials & Methods**
- ✓ **Utility Installation & Infrastructure Development (e.g. Pipelines, Manholes, Urban Drainage Systems)**
- ✓ **Project Management & Scheduling**
- ✓ **Site Inspection & Supervision**
- ✓ **Effective Communication & Team Collaboration**
- ✓ **Problem Solving & Critical Thinking**

Declaration:

I hereby declare that the above information is accurate to the best of my knowledge.

Bouslimi Chiheb.