

# KHAIRUL AIMAN BIN ZAMMANI

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## PROFESSIONAL SUMMARY

Skilled professional with experience in engineering and project management. Rational problem-solver with excellent communication skills. Proven track record in delivering projects and committed to continuous learning and development. Adaptable and seeking to leverage technical and managerial skills in a new industry.

## EXPERIENCE

### Project Engineer

July 2023 - Present

#### Pernec Integrated Network System Sdn Bhd, Kuala Lumpur

- Manage fiber installation projects for major telecom companies, coordinating with clients and contractors through meetings and site inspections to ensure smooth operations.
- Oversaw project progress through regular checks and site surveys, implementing solutions to maintain product quality and high standards.
- Manage fiber installation projects across Kuala Lumpur, successfully completing to the client's satisfaction, earning recognition for our team's accomplishments.

### Junior Civil Engineer

January 2023 - July 2023

#### Perunding ZKR Sdn Bhd, Petaling Jaya

- Executed the role of a highway and BIM engineer, making valuable contributions to the ongoing projects. Responsible for highway design tasks and the application of BIM technology for project coordination and visualization.
- Utilized tools such as Autodesk Revit, Civil3D, Infracore, and Google Earth to develop design drawings, including 3D models of roadway and utility elements.
- Gained valuable skills in project collaboration, problem-solving, attention to detail, and time management while working on ongoing projects.

### Internship

July 2021 – October 2021

#### WCT Construction Sdn Bhd, Kuala Lumpur

- Involved in the Quality Assurance/Control (QAQC) department, ensuring adherence to quality standards and specifications.
- Comprehensive understanding of on-site technical operations, including construction processes and quality control procedures. Conducted site inspections to identify defects and flaws in the concrete elements.
- Offered solutions and prepared reports for the repair of identified defects, successfully resolving issues in the respected sections.

## SKILLS

Project Management:	Problem Solving, Organization, Critical & Analytical thinking, Budgeting and Costing
Engineering Software:	AutoCAD, STAAD. Pro, Revit, Civil 3D, C language, JavaScript, HTML, CSS
Microsoft Office:	Word, Excel, PowerPoint, Project, Power BI
Language:	Bahasa Melayu (Native), English (Advanced)

## EDUCATION

### Bachelors in Civil Engineering

Universiti Malaya, Kuala Lumpur  
CGPA: 3.73 – First Class Honors

August 2022

### Foundation in Physical Science

Universiti Teknologi Mara Dengkil  
CGPA: 3.91 – First Class Honors

September 2018

## **PROJECTS**

### **Final Year Project**

- Explored traditional wisdom in Japanese Vernacular Architecture, focusing on its impact on structural performance.
- Conducted structural analysis using STAAD Pro software to assess the effectiveness of traditional design practices under different loadings.
- Investigated the materials used in Japanese Vernacular Architecture to understand their contribution to structural performance.

### **Capstone Design Project**

- Led the design of a high-end student center, the Student Centre Campus Hub, involving continuous beams, roads, and parking areas.
- Utilized software like AutoCAD and STAAD Pro for structural analysis, ensuring design integrity and safety.
- Provided accurate bill of quantities for the project, estimating materials, labor, and resources for efficient project management.

### **Integrated Design Project**

- Led the development of the Smart Campus Rail Transport system, including various structural components like girders, beams, and foundations.
- Utilized software such as AutoCAD, STAAD Pro, and GEO5 to design and analyze the structural elements, ensuring safety and efficiency.
- Conducted Environmental Impact Assessment (EIA) to evaluate potential environmental effects and proposed mitigation measures.

## **AWARDS/RECOGNITIONS/VOLUNTEER WORK**

- Head of Logistics for UM 12th Residential College student committee from 2019 to 2020
- Deputy Student Facilitator Committee for UM 12<sup>th</sup> Residential College orientation week 2019
- Golf Captain for UM from 2019 to 2022 and led UM to a gold medal in Sukipt 2022.