

# STEVEN KOSIM

(+62) 812 7495 738

[stevenkosim02@gmail.com](mailto:stevenkosim02@gmail.com)

Bandung, Indonesia

[www.linkedin.com/in/steven-kosim](https://www.linkedin.com/in/steven-kosim)

Portfolio: <https://steven-kosim.github.io/portfolio/>



## Profile

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An enthusiastic, highly motivated, reliable, and responsible graduate with a strong commitment who studied Civil Engineering with a sub-major in Structural Engineering at Parahyangan Catholic University. Eager to explore challenges in structural, geotechnical, and construction management. Interested in learning new things, collaborating effectively in teams, and solving problems with a critical and analytical mindset. Dedicated to ongoing development and self-improvement.

## Education

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### Parahyangan Catholic University, Bandung

August 2021- August 2025

- Bachelor Civil Engineering, sub major in Structural Engineering
- GPA 3.9 (150 Credits)
- Tesis: Comparative Study of LIDAR Point Cloud Data and Image-Based Modeling for Modeling Existing Bridges on Little Wilbraham Road

### SMA Xaverius 1 Palembang

July 2018 – June 2021

- Natural Sciences major
- Provincial Level Participant, National Science Competition – Chemistry Field

## Work Experience

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### Site Engineer Internship – PT. Tatamulia Nusantara Indah

February 2024 – June 2024

- Understands the application of construction phases, from administrative (scheduling and cost management) tasks to on-site execution.
- Supervised fieldwork activities, managed work schedules, and summarized work reports.
- Application of S-Curve analysis, scheduling, and construction execution methods in field operations.

## Achievements

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### Poster Exhibition and Competition at HAKI Seminar – HAKI

2025

- **Finalist – Poster Exhibition and Competition at HAKI Seminar**

August 2025

- Design, assesment, monitoring, repair, strengthening, retrofitting of buildings/ infrastructure as efforts to achieve sustainable construction. By creating a poster entitled Modeling the Dimensions of an Existing Bridge Using Image-Based Modeling

### ITB Civil Engineering Expo (ICEE) GECC – Institut Teknologi Bandung

2025

- **First Place Winner – Implementing Strategies for Stable and Disaster-Prepared Foundation Design**

February 2025

- Design and analysis of foundations for high-rise buildings using manual analysis, 2D and 3D finite element methods, including cost management, construction method efficiency and effectiveness, safety factor assessment, and evaluation of global and local stability.

**Civil National Expo (CNE) – Universitas Tarumanagara****2024 – 2025**

- **First Place Winner – Analysis of Retaining Walls for Deep Excavations** **May 2025**
  - Design and analysis of retaining walls for deep excavations using manual, 2D, and 3D finite element methods, including settlement evaluation based on inclinometer data, global and local safety factor assessments, and construction method considerations.
- **Participation – Conduction Foundation Analysis and Providing Solutions** **May 2024**
  - Design and analysis of foundations for coastal areas using 2D limit equilibrium methods and manual methods, providing effective and efficient solutions. Includes safety factor assessment, settlement analysis, and evaluation of global and local stability.

## Volunteering Experience

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**Marketing Team for UNPAR's Civil Engineering Program****2022 – 2025**

- **Participated in The Promotional Event at The Civil Engineering Booth** **July 2025**
  - Committee members for promoting UNPAR's Civil Engineering major to high school students
- **Promoted The Civil Engineering at BPK Penabur Singgasana High School** **June 2025**
  - Represented UNPAR's Civil Engineering major to share insights and experiences about studying civil engineering

**Himpunan Program Studi Teknik Sipil (HMPSTS)****2022 – 2025**

- **Vice Head – Academic Department** **January 2024 – January 2025**
  - Responsible for organizing events such as Parahyangan Creation (a high school infrastructure design competition), and for civil engineering student academic programs such as Civil Academic Team, Find Your Passion, and Tentoring.
- **Staff of Construction Management – Resonansi** **May 2024 – August 2024**
  - Create and design schedules, budget plans with S-Curve Analysis for drainage channels in rural areas.
- **Chief Executive of Education and Training for HMPSTS Members** **June 2024**
  - Responsible for developing programs focused on self-development, leadership, teamwork, and critical thinking within the organization.
- **Chief Executive of Civil Academic Team (CAT)** **September 2023 – January 2024**
  - Organized the orientation event transitioning students to university life in the Civil Engineering at UNPAR, overseeing both the committee and members to ensure the event's success, including coordinating the lecture.
- **Staff of Construction - Bhakti Ganva** **March 2023 – January 2024**
  - Design and analysis construction for washroom in rural areas with cost management effectiveness and efficiency. Conducts S-Curve analysis and prepares construction schedules.

**Keluarga Mahasiswa Buddhis Parahyangan (KMBP)****2021-2023**

- **Mentor Staff of KMBP** **September 2021 – September 2022**
  - Mentored new members in KMBP, introducing them to the organization.

## Language and Skills

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**Language**

- Indonesian
- English

**Skills**

- **Soft Skill: Leadership, Communication, Teamwork, Time Management, Project Management**
- **Hard Skill: Microsoft Office, AutoCad, ETABS, PLAXIS, SAP 2000, Python, Java**