

Wenjie Luo

Civil Engineering and Construction Management | Graduating Jan 2027

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PROFILE

Experience in site inspections, material planning and subcontractor coordination, supported by coursework in construction scheduling, lean methods and structural analysis.

EDUCATION

- National University of Singapore | MSc Civil Engineering** Aug 2025 - Jan 2027
Transport focus; research in transportation information and control.
- Chang'an University | BEng Transportation Engineering** Sep 2021 - Jun 2025
GPA 3.16/5.0; approximately top 15% of the cohort.

EXPERIENCE

- Far East Facade | Project Engineer, Engineering Department** Jun 2026 - Present
 - Track testing, delivery and installation for 15 façade material types across 5 suppliers; maintain a material status board.
 - Inspect installation progress and quality; follow up on deviations and prepare monthly reports for the project manager.
 - Support subcontractor discussions on pricing, equipment and staffing; align delivery milestones in weekly contractor meetings.
- Expeditors | Supply Chain Assistant** Dec 2024 - Apr 2025
 - Coordinated carriers, clients and customs brokers on shipping documents; improved existing Excel checks to reduce manual errors.

PROJECTS

- CE5806 | Lean Construction and Crew Balance** Feb - Mar 2026
 - Analyzed three construction cycles from video; charted workflow and crew balance, identifying 297 seconds of waiting (46% of the cycle).
 - Proposed smaller batches, revised layout and crew balancing; calculated a cycle time of 6 min 40 sec versus about 10 minutes.
- CE5806 | Linear Scheduling** Jan - Feb 2026
 - Prepared schedules for canal excavation (6 activities), ground improvement and road paving (11 activities).
 - Identified controlling activity paths and calculated production-rate float analytically; cross-checked the results with an LSM tool.
- SAP2000 | Reinforced-Concrete Frame Analysis** Sep - Oct 2025
 - Led a course project modeling a three-storey reinforced-concrete frame with about 120 elements and five load combinations.
 - Completed static, modal and seismic analyses; checked internal forces, addressed two overstressed locations and delivered 15 plots and a course report.

SKILLS

Construction: material and test tracking, site inspections, progress reporting, subcontractor coordination
Analysis: linear scheduling, time-and-motion study, SAP2000, AutoCAD; Python and Excel