

JEFFREY CHANG

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SUMMARY

Analytical and results-driven M.Sc. student in Industrial Engineering and Management with a technical background in ICT, specializing in bridging the gap between technical complexity and strategic execution. Having successfully led large-scale organizations with 200+ staff and 8M SEK budgets, I am now seeking to transition into a Project Management or Business Strategy role. My goal is to apply my experience in multi-stakeholder orchestration to lead digital transformations that drive organizational growth and operational excellence.

EDUCATION

KTH Royal Institute of Technology, Stockholm, Sweden 2020 - 2026

- **M.Sc. Industrial Engineering and Management** GPA: ~4.7/5
- *Core Competence:* Developed expertise in navigating industrial transformations and optimizing operations.
- **B.Sc. Information and Communication Technology** 2020 - 2023
- *Key Achievement:* Authored a thesis on Deep Learning efficiency that provided the technical foundation to bridge the gap between engineering teams and business leadership.

LEADERSHIP & EXPERIENCE

Project Manager Dec 2023 - Jan 2025
THS Armada Stockholm, Sweden

- **Strategic Growth & Fiscal Control:** Directed the overall strategy for Scandinavia's largest career fair during an expansive development phase, managing an 8M SEK budget with a 45% profit margin.
- **Organizational Design:** Redesigned the "Operating Model" to improve cross-functional synergy between IT, Sales, and Logistics for a workforce of 200+. This initiative focused on how strategic leadership and process re-engineering can eliminate structural inefficiencies in large organizations.
- **Stakeholder Management:** Negotiated high-value partnerships with 145+ global companies, ensuring strategic alignment between corporate requirements and student-led execution.

Head of Logistics & Operations Jan 2023 - Dec 2023
THS Armada Stockholm, Sweden

- **Operational Excellence:** Orchestrated physical infrastructure and logistics for 16,000+ visitors. Managed material flow, site layout, and security protocols under strict deadlines.
- **Process Optimization:** Developed standardized operating procedures for a workforce of 100+ staff, demonstrating how ground-level efficiency acts as a catalyst for overall organizational success.

Board Member Jun 2023 - Dec 2023
KTH Student Union Stockholm, Sweden

- **Governance & Risk:** Provided strategic oversight for an organization with 24 full-time employees.
- **Complex Decision-Making:** Navigated a large-scale institution with long decision-making paths and diverse stakeholder interests, ensuring that operational plans remained aligned with long-term strategic goals.

Project Manager - Technical Preparatory Year Reception May 2022 - Oct 2022
KTH Royal Institute of Technology Stockholm, Sweden

- **Project Initialization:** Conceptualized and executed the first-ever formal reception for the Technical Preparatory Year, establishing a new organizational framework for a chapter lacking previous execution history.
- **Stakeholder Coordination:** Managed cooperation between internal student representatives and external corporate partners to ensure a successful integration for new students.

SELECTED PROJECTS

Smart City Strategy: Sustainable Living Towards 2050

Strategic Researcher & Project Lead — Collaboration with Knowit

[Project Link](#)

- Developed a comprehensive 2050 strategic framework for a Swedish municipality, exploring the integration of IoT, Remote Sensing, and Digital Twins for data-driven urban planning.
- Conducted a multidimensional PESTEL and 2x2 Scenario Analysis to map 10+ critical driving forces, identifying Political Commitment and Technological Standardization as the primary axes of uncertainty.
- Diagnosed structural barriers, specifically organizational silos and fragmented data standards, and proposed a DT concept as a "centralized hub" to bridge communication gaps between multi-disciplinary stakeholders.
- Delivered actionable managerial recommendations on cross-departmental governance, internal competence development, and the adoption of open data standards (CityGML) to ensure long-term interoperability.

Comparative Analysis of Quantization Frameworks: A Deep Learning Perspective

B.Sc. Thesis Project — Co-authored with W. Chai

KTH Royal Institute of Technology

- Evaluated machine learning quantization techniques to reduce computational and memory costs, focusing on enhancing performance and efficiency for trained models.
- Conducted extensive benchmarking of frameworks (e.g., TAFFO) across diverse architectures including LeNet-5 and BERT, evaluating metrics such as accuracy, inference time, and model size.
- Developed a decision-tree-based framework to logically categorize techniques, serving as a strategic basis for automated selection of optimal quantization methods for specified models.
- Translated high-level benchmarking data into a strategic roadmap for high-performance AI deployment, bridging the gap between technical research and industrial scalability.
- **Source:** <urn:nbn:se:kth:diva-351541>

Personal Portfolio & Digital Brand Platform

Personal Development Project

jeffreychang.org

- Architected and deployed a high-performance, responsive personal website using Astro, Tailwind CSS, and TypeScript to showcase a multi-disciplinary portfolio.
- Focused on Performance Optimization and modern web primitives to ensure a fast, SEO-friendly user experience, reflecting a commitment to high-quality digital delivery.
- Developed a centralized hub for cross-functional projects, bridging the gap between technical software repositories and strategic professional branding.

Digital Retail Infrastructure & E-commerce Prototyping

Independent Technical Study

homeearthhs.com

- Developed a skeleton e-commerce platform to learn their technical and architectural requirements.
- Explored the integration of user flow, inventory logic, and frontend delivery to understand the technical drivers behind successful online business models.

Interactive Systems Development: "Klantboll"

KTH Royal Institute of Technology

[Project Link](#)

- Collaborated in a cross-functional team to design and implement an interactive system, managing the lifecycle from technical ideation to deployment. Developed technical problem-solving skills and adapted to team-based development workflows.

TECHNICAL SKILLS & LANGUAGES

Strategic & Ops

Project Management, Business Strategy, Digital Transformation, Stakeholder Management, Change Management, Supply Chain Strategy

Technical

Java, C, Python, TypeScript, Astro, Tailwind CSS, Deep Learning Frameworks

Languages

English (Native), Swedish (Native), Chinese (Conversational), Spanish (B2)