Patrik Thomas Tao

PROJECT ENGINEERING | DATA ANALYTICS | COMPUTER SCIENCE STUDENT

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EDUCATION

Lund University Aug 2019 - Dec 2024 (Expected)
Master of Science in Computer Science and Engineering, Specialisation in Software Engineering Lund, Sweden

- **Relevant Coursework**: Large-Scale Software Projects, Agile Methodologies, Requirement Engineering, Business of Software, Managerial Economics, Database Technology, Configuration Management
- **Extracurriculars**: Head of IT (EASA Lund), International Mentor, Nova Talent, Software Developer (ARKAD Career Fair)

LTL Mandarin School, *Chinese Level B1,* Shanghai, China Feb 2019 – Apr 2019

EXPERIENCE

Sony Electronics Feb 2023 — Present
Project Management Intern Lund, Sweden

- Drove **cost simulations** and **data analyses** across multiple release, outsourcing, and resource allocation programs for the Lund office (~400 employees), discovering **cost-saving opportunities** (~13%) and estimating the minimal effort needed for product launches
- Executed change triage for Xperia products, prioritizing proposed changes based on **stakeholder impact** and **market feedback**
- Created complex macros and pivot tables in Excel for monitoring **issue trends** and **project metrics**, resulting in improved project planning and cutting manual workload by 67%
- Collaborated with 7 distributed **cross-functional teams** to enhance issue-tracking and prototype distribution efficiency

CargoPlanner Jan 2023 — Mar 2023
Requirement Engineer Malmö, Sweden

- Performed **requirement analysis**, elicitation, and **product design**, delivering prototypes and a ready-to-implement software requirement specification **(SRS)** for automatic centralized product screenshot updates in sales materials
- Optimized **feature prioritization** using an ordinal scale and the $100 method, yielding a **release plan** aligned with stakeholder's needs
- Managed concept development, testing, **time-to-market optimization**, risk analysis, and cost/benefit analysis

Tetra Pak Jun 2021 — May 2022
Data Scientist Intern Lund, Sweden

- **Project managed** and launched a new logistics management system, increasing customer base and work productivity by 50%
- Leveraged data analytics, stakeholder management, and alignment with business objectives to drive **data-driven decision-making**
- Identified **areas of improvement** and executed two digitalization projects, leading to operational enhancements and efficiency gains
- Defined user stories and requirements through 8+ voice-of-customer interviews, culminating in a successful **MVP** using Figma and garnering a **91% satisfaction rate** among customers

Software Engineer Intern

- Developed a logistics management system, optimising prototyping processes, inventory & order management, food formulations, and key-metrics visualization
- Pitched to **Marketing VP** and delivered **roadmaps**, technical architecture, UML diagrams, and data-flow chart to **Senior PMs**
- Built ExpressJs REST APIs that served data to React frontend with Typescript, PostgreSQL, Docker, and AWS S3
- Automated the product benchmarking process by integrating data queries from Mintel through PowerBI API

LEADERSHIP

EASA Lund, *President* May 2022 — Jan 2023

- Oversaw and managed a non-profit student organisation of ~170 members and its news magazine, coordinating a team of 30 coordinators to promote academic knowledge about East & Southeast Asia
- Implemented a **strategy** for reorganisation, budgeting, grants, marketing, and community outreach, resulting in **partnerships** with 5 external businesses, attracting 200+ event attendees, and an 81% membership growth within 6 months

SKILLS

Programming: Java | Python | Javascript (Typescript) | SQL (PostgreSQL, MySQL) | R | MatLab | HTML/CSS
Technical: Waterfall & Agile Project Management (Scrum, Kanban, Gantt, Jira, Notion) | Data Analytics (Excel, Powerpoint, PowerBI) | UX Design (Figma) | Web Development | Machine Learning | Version Control (Git)
Languages: Swedish (Fluent) | English (Fluent) | Cantonese (Proficient) | Mandarin (Conversational) | Spanish (Basic)