

Patrik Tao

Aspiring and multilingual software engineer focused on building user-friendly apps and scalable backend technologies. 4th year MSc student in Computer Science and Software Engineering.

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Relevant Experience

Project Management Intern • Sony Feb 2023 — Present

- Manage incoming and outgoing prototypes to adequately allocate resources for SW implementation, testing, verification, traceability, and alignment with project targets.
- Provide technical business insights by presenting cost estimations and managing issue logs using Excel and Jira.
- Create tickets for the establishment of copy-left branches for open-source releases on Sony's dev page.

President • East Asia Student Association Mar 2022 — Present

- Coordinated a student association of around 170 members, leading a team of 30 active members and overseeing all operational aspects, including budget, grant, task delegation, board meetings, and community outreach.
- Negotiated contracts and benefits with 5+ external companies and student organisations.
- Actively recruited 10+ active members and contributed to the growth from 6 to 30.
- Accomplished new events/marketing strategies which contributed to an 81% increase in membership in the first 6 months.

Student Talent Programme • Tetra Pak Apr 2021 — May 2022

Full-Stack Developer Aug 2021 — May 2022

- Architected and invented a new interactive and user-friendly logistics management system for food technologists to streamline food & beverage prototyping.
- Built dashboards and data tables with React and Sass, and used Node.js, PostgreSQL, AWS S3, and Heroku to construct and deploy the backend and database.
- Used SQL to create data migrations and implement the E/R model.

Data Scientist Intern Jun 2021 — Aug 2021

- Analyzed large prototype data for food & beverage using Excel to draw business insights and assess various IT strategies to discover new growth opportunities.
- Presented project proposals, roadmaps, and tech. architectures, entity-relations models, which granted the development of the logistics management system.
- Constructed user research and prototypes, identified user stories and requirements, and designed a minimal viable product with Figma.
- Integrated an API in PowerBI which automates benchmarking and data collection from Mintel GNPD.

Software Developer • ARKAD Apr 2021 — May 2022

- Developed the frontend of a web application for ARKAD, the largest annual career fair in the Nordic, which was used to enable and enhance video and chat interactions between companies and students during COVID-19.
- React, Elixir, PostgreSQL, Sass, and Redux were used to develop this.

Skills

Programming Languages

Java, Javascript, Typescript, SQL, R, HTML, CSS, Sass, Python, CSS, Clojure, Haskell, MatLab

Libraries & Frameworks

React, Next.js, React Native, Tailwind CSS, Node.js, Express.js, PostgreSQL, Django, Docker, Bottle, SQL, MySQL

Tools & Platforms

Git, GitHub, Heroku, WordPress, Docker, Webpack, Firebase, Figma, Excel, Powerpoint, AWS S3, Agile

Education

Lund University Aug 2019 — anticip. 2024

Master of Science in Engineering, Computer Science and Engineering (Civ. Ing), Software Engineering specialization.

Featured Extracurriculurs

Nova Talent Member (2022)
International Mentor (2022)
Head of IT at EASA (2021)
Member of Helsingkrona Sorority (2019)

Featured Projects

patriktao.io (2023)

Personal website built with Next.js, Typescript, Tailwind CSS, and Vercel.

Memberflow (2022 — Present)

A cross-platform web and mobile app which provides a digital solution for membership- and request tracking, purchases, renewals, and student cards.

EcoFinder (2021)

Prototyped a user-friendly UI using Figma that helps people buy the most eco-friendly food alternative in Swedish grocery stores.

Languages

Swedish (Native), Cantonese (Native), English (Fluent), Mandarin (Social), Spanish (Elementary)