Patrik Tao

Aspiring 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 to prevent resource loss.
- Provide 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, to be uploaded on Sony's dev page.

President · East Asia Student Association   Mar 2022 — Present

- Managed 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 multiple external companies and student organisations.
- Recruited over 10 people and contributed to the growth from 6 to 30.
- Developed 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

- Architectured and implemented an interactive and user-friendly logistics management system for food technologists to streamline food & beverage prototyping.
- Built dashboards using React and Sass, and used Express.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 and interpreted large prototype data for food & beverage using Excel to draw business insights and assess various IT strategies to discover new growth opportunities.
- Created project proposals, roadmaps, tech. architectures, entity-relations models, which granted a logistics management system development.
- Made user research and prototypes, formulated user stories and requirements, and created 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

- ARKAD is the annual carrier fair arranged by the faculty of engineering at LTH.
- Contributed to developing the frontend of their web application which was used to allow video and chat interactions between companies and students during COVID-19.
- Used React, Elixir, PostgreSQL, Sass, and Redux 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, Node.js, Express.js, PostgreSQL, Django, Docker, Bottle,

Tools & Platforms

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

Education

Lund University   Aug 2019 — 2024

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

Selected Projects

patriktao.com (2023)

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

Membership Management App (2022)

Addresses the current challenges for student organisations and provides a digital solution for membership cards.

EcoFinder (2021)

Prototyped and implemented a user-friendly UI with Figma, applying cognitive science and UX knowledge, which aims to support people in picking environmentally friendly food.

Languages

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