

# Patrik Tao

Aspiring, multilingual engineering student focused on building scalable software products and providing end-to-end solutions using data. Final year MSc student in Computer Science and Software Engineering.

## Relevant Experience

### Sony Electronics

**Student Worker, Project Management Office** Feb 2023 — Present

- Deliver prototype distribution plans and distributed prototypes for SW implementation, testing, and verification.
- Creating python scripts for automating management of tickets and issues on Jira.
- Generate copy-left license requests to aggregate open-source releases using FossilID.

**Summer Project Manager Intern** Jun 2023 — Aug 2023

- Drove effort estimations of operative system projects at Lund Site, running cost simulations of various release, outsourcing, and resource allocation programs.
- Led change management triages for products in MR, reviewing proposed changes and weighing decisions against stakeholder impact and market feedback.
- Collaborated with Senior PMs and dev leads to track and address issues, bugs, feature integration, and development status.
- Automated JIRA exports and issue trend graphs using VBA and Power Query on Excel.

### East Asia Student Association

**President** May 2022 — Jan 2023

- Led a student association of around 170 members and its student magazine, supervising a team of 30 coordinators.
- Set vision and oversaw budgeting, grant applications, task delegation, board meetings, event planning, and community outreach.
- Executed marketing strategies resulting in an 81% membership growth in just 6 months.
- Successfully established and renewed contracts with 5+ external parties.
- Formed three committees and recruited 15+ coordinators.

**Head of IT** Mar 2021 — May 2022

- Developed a cross-platform web and mobile app "Memberflow" that offers a digital solution for membership tracking, purchases, renewals, and student cards.

### Tetra Pak

**Full Stack Engineer, Accelerator Lab** Aug 2021 — May 2022

- Built and architected a logistics management system to streamline food and beverage prototyping processes and visualize laboratory data, implemented using React frontend and NodeJS, Express and Postgre backend.
- Drafted technical specifications and architectures, data flow diagrams, and E/R Models.

**Data Scientist Intern, Accelerator Lab** Jun 2021 — Aug 2021

- Delivered end-to-end solutions by assessing business implications and proposed technology strategies, discovering actionable insights to enrich operational aspects.
- Scoped the project of a logistics management system and conducted user research to identify user stories, pain points, and requirements.
- Delivered a minimal viable product using Figma.
- Automated data queries and product benchmarks by integrating an API in PowerBI.

### Arkad

**Software Developer** Apr 2021 — May 2022

- Developed the front end for a full stack application, enabling and enhancing video and chat interactions between companies and students during COVID-19.
- Tech stack includes React, PostgreSQL, Sass, and Redux.

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## Skills

### Languages

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

### Libraries & Frameworks

React, Next.js, React Native, Tailwind, NodeJS, ExpressJS, Postgre, Django, Bottle, MySQL, SQLite

### Tools & Platforms

Git, GitHub, Heroku, WordPress, Docker, Firebase, Figma, Excel, Powerpoint, AWS S3, Scrum, Pytorch, Scilearn, Pandas

## Education

**Lund University** 2019-2024

M.Sc.Eng, Computer Science and Engineering, Software Engineering specialization.

**LTL Mandarin School** 2019

A gap year in Shanghai, Level B1 in Chinese.

## Featured Extracurriculars

Nova Talent (2022)

International Mentor at University (2022)

Head of IT at EASA Lund (2021)

Accenture's Agile Introduction Course (2020)

Member of Helsingkrona Sorority (2019)

## Course Projects

**Product Owner, Carpooling App** (2023-)

Acting as the bridge between stakeholders, customers, and dev team. Pivotal role in shaping the app's vision, agile workflow, features, backlog, UX, and sprint-planning.

**Voicy** (2023)

Developed and prototyped a business model for an AI-powered voice messaging app addressing the decreased human interaction during COVID-19 to promote more meaningful conversations.

**UX Designer, Ecofinder** (2021)

Designed prototypes, mockups, and a minimal viable product that simplifies the process of finding the most eco-friendly food alternative available in Swedish grocery stores.

## Languages

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