Patrik Tao

Software engineering student focused on building scalable products and providing end-to-end solutions using data.

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Relevant Experience

Student Worker · **Sony Electronics**   Feb 2023 — Present

Summer Project Manager Intern   Jun 2023 — Aug 2023

- Deliver prototype distribution plans and distributed prototypes for SW implementation, testing, and verification.
- Creating python scripts for automating management of issue tickets on Jira.
- 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 cross-functional teams to track issues, bugs, feature integrations, and development status.
- Automated JIRA exports and issue trend graphs using VBA and Power Query on Excel.

President · **East Asia Student Association**   May 2022 — Jan 2023

- Led a student association of around 170 members and its student magazine, supervising a team of 30 coordinators and forming 3 committes and recruiting 15+ coordinators.
- Set vision and oversaw budgeting, grant applications, task delegation, board meetings, event planning, and community outreach, growing the membership by 81% in just 6 months.
- Negotiated and renew contracts with 5+ companies.
- Developed a cross-platform web and mobile app "Memberflow" that offers a digital solution for membership tracking, purchases, renewals, and student cards, using NextJs, styled-components and Firebase.

Student Talent Programme · **Tetra Pak**   Aug 2021 — May 2022

- Architected and implemented a full-stack logistics management system to streamline beverage prototyping processes and visualize laboratory data using React, NodeJS, ExpressJs and PostgreSQL.
- Drafted technical specifications and architectures, data flow diagrams, E/R Models, and SOPs.

Data Scientist Intern · **Tetra Pak**   Jun 2021 — Aug 2021

- Delivered technical solutions by assessing business implications and proposed technology strategies, discovering actionable insights to enrich operational aspects.
- Proposed and scoped a logistics management system to issues identified within Accelerator Lab responsible for prototyping beverage ideas for quick market launch.
- Conducted user research to identify user stories, pain points, and requirements and delivered a minimal viable product using Figma.
- Leveraged an internal API integration for automating data queries and product benchmarks from GNPD.

Software Developer · **Arkad**   Apr 2021 — May 2022

- Developed the front end for a web application, enhancing video and chat interactions between companies and students during COVID-19, using React, SCSS, and Redux.
- Scandinavia's largest career fair for engineering students.

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, Redux, Styled-Components

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

Selected Projects

Carpooling Web App (2023-)

Product Owner. 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 Messaging App (2023)

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

Ecofinder UI (2021)

UX Designer. Designed prototypes, mockups, and a minimal viable product that help you find the most eco-friendly food alternative in grocery stores.

Education

Lund University 2019-2024

Master of Science in Computer Science and Engineering, Software Engineering track, ML and Interaction Design Minors

LTL Mandarin School 2019

A gap year in Shanghai, Level B1 in Mandarin.

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)