

Johannes Tampere

🌐 johannestampere.com | 📞 +1 437-329-6230 | @ jtampere@uwaterloo.ca | 🔗 LinkedIn | 🐙 GitHub | 📍 ON, Canada

SKILLS

Languages: Python, JavaScript, Typescript, C/C++, SQL, HTML5, CSS3

Libraries & Frameworks: React.js, Next.js, Tailwind CSS, Express.js, FastAPI, Pandas, Zustand, Scikit-learn

Technologies: Git, Supabase, MySQL, MongoDB, VS Code, Jupyter Notebook, Linux CLI Tools, AWS

EXPERIENCE

Delfi

Tallinn, Estonia

Data Analysis Intern

June – August 2023

- Analyzed **10,000+** Estonian news articles using Python and EstNLTK to identify sentiment and trends, directly shaping editorial strategies and topical coverage
- Developed **custom NLP (Natural Language Processing) tools** to extract, lemmatize, and disambiguate person names from article text, powering accurate long-term analysis of public figures in media
- Analyzed behavioral data of **30,000+** users using Pandas, NumPy, and SciPy to identify **key engagement drop-off signals** prior to unsubscribing
- Trained a churn prediction model using **scikit-learn** with **random forest classification**, leading to more targeted user retention campaigns

PROJECTS

FairFi 🐙 | *Next.js, Node.js, Express.js, MongoDB, Tailwind CSS, Twilio, Cohere Command R+*

- Led a team of 4 at **DeltaHacks 2025** to build an AI-driven platform that identifies racial and gender bias in customer support calls, **winning the P&G x NSBE Sponsor Award** from **500+** participants
- Engineered a **scalable full-stack architecture** using Next.js, Express.js, Node.js, and MongoDB to support real-time call analysis and data storage
- Integrated **Twilio** for live call simulation and **Cohere's Command R+ API** to extract sentiment insights and generate smart response summaries

136Notes 🐙 | *Next.js, MongoDB, Tailwind CSS, Flask, Three.js, OAuth*

- Solo-developed a full-stack note-taking app for linear algebra students, featuring LaTeX rendering and interactive graphs using **Next.js**, **Flask**, and **MongoDB**, to boost productivity and intuition
- Integrated **MathJax** and **Three.js** for optimal LaTeX support and graph rendering
- Designed a **responsive UI** with Tailwind CSS and reusable components for smooth user experience across devices
- Utilized **Google OAuth** for secure user authentication and session management

MindBloom 🐙 | *Next.js, TypeScript, FastAPI, OpenAI API, Zustand, D3.js*

- Currently building a real-time collaborative brainstorming platform, helping creative teams turn scattered thoughts into clear directions via **dynamic mindmaps** and **AI-guided suggestions**
- Architecting a full-stack web app using **Next.js** and **FastAPI**, enabling interactivity with live sync via **Supabase** and **PostgreSQL**
- Integrating **OpenAI API** to auto-generate subtree-specific ideas, accelerating team decision-making
- Using **Zustand** to handle complex client-side state including active nodes, real-time edits, likes, and user activity

johannestampere.com 🐙 | *Next.js, TypeScript, Tailwind CSS, AWS, Framer Motion*

- Built and deployed a modern portfolio website using **Next.js**, **TypeScript**, and **Tailwind CSS**, featuring responsive design and a sleek dark theme
- Integrated smooth animations and interactive elements using **Framer Motion** to showcase projects with engaging user experience across all devices
- Deployed to production via **AWS S3** for static hosting, **CloudFront** for secure content delivery, and **Route 53** for custom domain routing, ensuring fast load times and HTTPS support

EDUCATION

University of Waterloo

Waterloo, Ontario

Honours Bachelor of Computer Science

September 2024 – May 2029

- Relevant Coursework: *Object-Oriented Software Development, Algorithm Design, Tools & Techniques for Software Development, Honours Math courses*