

Thösam Norlha-Tsang

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🐙 Thosam1

Education

ETHZ - Eidgenössische Technische Hochschule Zürich

Next year

Computer Science MSc

EPFL - École Polytechnique Fédérale de Lausanne

September 2020 – July 2023

Computer Science BSc

Projects

Bandit Algorithms and Recommendation Systems

February 2023 - June 2023

- Bachelor Project in Information and Network Dynamics INDY Lab - EPFL
- Implementation from scratch of different types of Bandit algorithms (multi-armed, linear) in **Python**.
- Evaluation of these algorithms on simulated AND real data.
- Data processing and analysis to adapt them to Bandit algorithms.

ConnectOut

February 2023 - May 2023

- Android mobile application implemented in **Java** using **Android Studio** and **Firebase**.
- link to github : <https://github.com/ConnectOut-sdp/sdp2023>

UniHousing

September 2022 - February 2023

- Cross-platform mobile application implemented in **Typescript** using **React Native** with expo cli.
- Backend implemented in **Typescript** using **NodeJS** and **MongoDB**.
- Practice of mobile app development and also backend development.
- link to front-end : <https://github.com/Thosam1/UniHousing>
- link to back-end : https://github.com/Thosam1/uni_housing_backend

Personal Website with a Blog

February 2022 - May 2022

- Website implemented in **Javascript** using **NextJs**.
- Added a Newsletter functionality by implementing backend code using **ExpressJs** and **Sendinblue**.
- link to website : <https://thosam.vercel.app/>

Social Media for my university for university students

June 2022 - December 2022

- Coded with a friend, launching in October 2022, expected number of daily users : 1500
- Frontend with **Vue js** and backend with **Java Spring**
- link to website : <https://talkzone.ch/>

Adaptation of a board game called : "Les Aventuriers du Rail"

February 2021 - June 2021

- Desktop Application (with client and server) made using **Java**, **Java FX** for the GUI.
- link to github : https://github.com/Thosam1/tChu_projetBA2
- Grade received: 93%

Extracurriculars and Work Experience

Peer Tutor

January 2015 – May 2023

- Tutoring middle school and high school students in mathematics, physics, chemistry and German.
- Meet with students weekly to explain concepts, answer questions and cultivate their passion in those topics.

Teacher Assistant - Linear Algebra

September 2021 – December 2021

- Teaching and helping first year university students with their Linear Algebra assignments.
- Meet with large class of students weekly to explain concepts, answer questions and help them get excellent grades.

Skills

- Java (JavaFX, Java Spring)
- MongoDB, Firebase, SQL
- Javascript
- Typescript
- Node Js, Express Js
- React Js, Vue Js, React Native, Expo
- Python (PyTorch, TensorFlow)
- Git, Docker
- French, English (bilingual) German (B2)