Takahiro Mitsui

takahiro.mitsui.career@gmail.com | linkedin.com/in/takahiro | github.com/takahiro | Portfolio/takahiro | Berlin, Germany

EXPERIENCE

Full stack Developer — February 2021 - April 2024
Face The Facts — *Berlin, Germany*

- Face The Facts: An open-source project supported by the German government that develops a mobile app to show politicians' information by scanning their election posters with a smartphone.
- Developed a RESTful API using FastAPI
- Established the database on AWS
- Created UI using React and Typescript

Website: Link

App: FaceTheFacts App

GitHub:github.com/FaceTheFacts/backend

Full stack Developer - working student — June 2023 – December 2023
Siemens Mobility — *Berlin, Germany*

- Target Price Predictor: Developed an internal application to forecast railway project revenue by analyzing user-provided inputs.
- Developed a GraphQL API using Flask and PostgreSQL
- Developed a full-stack web application using Next.js

Machine Learning Developer — February 2023 – May 2023
Geospatial ML — *Berlin, Germany*

- Geospatial ML: Developed a U-Net convolutional neural network to automate the review of satellite images for water quality and depth assessment, addressing issues like cloud shadows and sun glint through semantic image segmentation.
- Established a U-Net model for geospatial machine learning tasks
- Developed a convolutional neural network (U-Net) for Semantic Image Segmentation of satellite images

GitHub: github.com/GeospatialML

Frontend Engineer - working student — May 2022 – September 2022
Foundamental — *Berlin, Germany*

- Laura Project: Developed an internal web application using Next.js and Typescript to manage client data, including information from meetings and financial metrics.
- Integrated a GraphQL API with Apollo Server.

TECHNICAL SKILLS

Languages: Python, Typescript, JavaScript, Go, Rust, HTML, CSS, SQL
Frameworks: Flask, FastAPI, NestJS, Node.js, Next.js, React, schadcn/ui, Material-UI, PostgreSQL, MongoDB, Tailwind CSS, TensorFlow
Developer Tools: Git, GitHub, GitLab, Docker, AWS, DigitalOcean
Additional Skills: RESTful API design, GraphQL, CI/CD, Containerization, Event-Driven Architecture

LANGUAGE SKILLS

English: Professional proficiency
German: Entry level
Japanese: Native

EDUCATION

CODE University of Applied Sciences — Berlin, Germany
Bachelor of Science in Software Engineering — *July 2020 – April 2024*

Tokyo Medical and Dental University — Tokyo, Japan
Master of Science in Health Sciences and Biomedical. Molecular Biology — *April 2017 – March 2019*