
Tai Arima

Software Developer

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TECHNICAL SKILLS

Programming Skills:

- Proficient in JavaScript (ES6+) and Java, familiarity with TypeScript, C, Python
- Proficient in React; some experience with Redux, React Router, React Query, Next.js
- Solid grasp of HTML/CSS, Tailwind
- Experience with testing using Jest and Cypress
- Skilled in working with RESTful APIs

General

- Experienced in using Git and GitHub for version control
- Understanding of Agile, Scrum methodologies
- Firm grasp of essential algorithms and data structures, object-oriented programming
- Experience using CLI, Unix shell, and Powershell
- Experience using VS Code, Eclipse, Visual Studio, and Vim code editor

PROJECTS

Type and Learn Korean - *Language learning web application*

JULY 2023

SITE: <https://taiarima.github.io/type-and-learn-korean/>

- Application for users to improve Korean language and typing skills
- Built in Vanilla JavaScript, with fully responsive design

Kanji Knowledge Assessment Tool - *Language learning web application*

MAY 2023

SITE: <https://taiarima.github.io/kanji-kat/>

- A multiple-choice assessment tool for users to determine the amount of kanji (Chinese characters used in Japanese) they know.
- Personally designed and tested algorithm to determine user's level of knowledge
- Built in Vanilla JavaScript, with fully responsive design

Manga Map - *Geolocation web application*

JULY 2023

SITE: <https://taiarima.github.io/manga-map/>

- Web application built in Vanilla JavaScript using geolocation API
- Personally designed and tested algorithm to determine user's level of knowledge

The Linguist's Challenge - *Language quiz web application*

AUGUST 2023

SITE: <https://taiarima.github.io/lang-quiz/>

- Multiple-choice quiz on languages and linguistics
- Built in React, making use of hooks and multiple libraries
- Responsive design made with Tailwind CSS.

SELECTED WORK EXPERIENCE

Helsinki Institute of Life Science, Helsinki, Finland - *Junior Researcher*

NOVEMBER 2021 - SEPTEMBER 2022

- Developed a process for synthesizing proteins for a novel probing system used to track endocytic cargoes
- Optimized the protein synthesis procedure to increase yield and decrease production time for novel probing systems

Olwin Lab, Boulder, Colorado - *Junior Researcher*

JUNE 2017 - MAY 2018

- Developed my own project to track the lineage of muscle stem cells transplanted into mice using a novel experimental procedure

Anderson Language and Technology Center, Boulder, Colorado - *Lecturer*

SEPTEMBER 2016 - MAY 2017

- Designed my own curricula and taught courses in both Japanese and Korean as a foreign language for learners of all levels

United States Air Force, Bellevue, Nebraska - *Airborne Cryptologic Language Analyst*

DECEMBER 2009 - NOVEMBER 2013

- Translated and analyzed foreign language communications, both on the ground and as crew member of a reconnaissance aircraft
- Air Force Certified Trainer
- Personally developed a language maintenance program to improve the linguistic skills of Korean linguists in the squadron

EDUCATION AND CERTIFICATIONS

University of Helsinki, Helsinki, Finland - *Master of Science in Molecular Biology*

AUGUST 2018 - JUNE 2022

Recipient of “Be one of the Best!” academic merit scholarship and grant. Master’s Thesis:
EndoNbA: A New Tool for Studying Endocytosis.

University of Colorado, Boulder, Colorado, USA - *Bachelor of Arts in Molecular Biology*

MONTH 2014 - MONTH 2018

Graduated summa cum laude (highest honors)

Bachelor's thesis: *Tracking the lineage of transplanted satellite cells*

Japanese Language Proficiency Test - *Level 1/N1 Certified*

MARCH 2008

Certified in the most advanced level of Japanese.

Test d'évaluation de français (TEF) - French Proficiency Assessment

DECEMBER 2020

Certified B2 in speaking and writing, C1 in reading and listening.

NON-TECHNICAL SKILLS

- Confident in teaching, public speaking, and giving presentations.
- Effective at communicating in multicultural, multilingual environments.
- Skilled in communicating complex technical concepts to audiences with varying levels of expertise.
- Full professional proficiency in Japanese, including reading, writing, and speaking.
- Native English speaker, comfortable in communicating in French, Chinese, Hindi, and Korean for non-technical purposes.