

# Timothy Chapin

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I am a Full-Stack developer currently based in Tokyo, working to create fun and interactive games for students looking to learn a second language. Currently I am looking to join a small to mid-sized team as a Rails back-end developer to help create proprietary projects.

## PROJECTS

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### Teach Tokyo

[www.teachtokyo.com](http://www.teachtokyo.com)

Designed and developed a map-based quiz strategy game as in classroom warmup before lessons.

- Uses an SVG map of Japan manipulated through Javascript allowing players to conquer different prefectures.
- Full bilingual support for English and Japanese using the i18n library.
- Wrote custom route to handle a multi-item select delete method.

**Frontend:** HTML, CSS, JavaScript; **Back-end:** Ruby on Rails; **Server:** Heroku

### Tokyo Maps

[Demonstration](#)

Developed a user-friendly, interactive map of Tokyo's 23 wards to help expats relocate to Tokyo.

- Created an interactive map using MapBox API along with public geolocation data of Tokyo.
- Collected and normalized rent, safety, number of international schools and percentage of apartments accepting pets for each ward.
- Used a custom color scaling function based on normalized data to display from best to worst in each category through a filter option.

**Frontend:** HTML, CSS, JavaScript, MapBox; **Back-end:** Ruby on Rails; **Server:** Heroku

## EDUCATION

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### Le Wagon

**March, 2023**

*Web Development, Part-time (25 weeks)*

*Tokyo*

- Studied core concepts of Front-End and Back-End Development as well as UX/UI design fundamentals and best practice.
- Gained experience with HTML, CSS, JavaScript, Ruby, Ruby on Rails, Heroku, API's, PostgreSQL, Database structuring, Figma, GitHub, and collaborative software.

### Michigan State University

**May, 2020**

*BS, Japanese Language Studies*

*Michigan*

## WORK EXPERIENCE

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### Roppongi High School

**Nov. 2021 – Present**

*Assistant Language Teacher*

*Roppongi, Tokyo*

- Created quizzes, speaking activities, warm-up exercises, and presentations to enhance students' language learning experience with English and Japanese.
- Effectively collaborated with Japanese colleagues on day to day tasks and operations.

## LANGUAGES, SKILLS, INTERESTS

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Languages: English – Native, Japanese – Business Level

Skills: HTML; CSS; JavaScript; PostgreSQL; Heroku; GitHub; Figma; MapBox; Ruby on Rails;

Interests: Cooking – I am on year five of trying to replicate foods from home. So far, I have mastered the New York Bagel. New York style cheesecake is a work in a progress.