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Japanese version is [here](#)

Contents

- [Educations](#)
- [Skills](#)
- [Works](#)
- [OSS](#)
- [Experiences](#)
- [Hackathon](#)

Educations

Waseda University, Japan

- 2015.4 - 2019.3 : B.E. in Applied Chemistry

University of Tokyo, Japan

- 2019.4 - 2021.3 (expected) : M.S. in Chemical System Engineering

Skills

Language

- Japanese: native
- English: intermediate ([CEFR](#) : B1)

Quantum chemical simulation (chemistry)

My B.E. research interest was analysis of the electrochemical reaction by using a quantum chemical simulation.So, I get used to using the following libraries.

- Gaussian, VASP, Quantum Espresso

Programming Languages

- JavaScript
    - TypeScript, Flowtype, jQuery
    - React, React Native
    - Babel, Webpack
    - Node.js
- Python
    - Pandas
    - scikit-learn
    - Tensorflow, Pytorch, Chainer
- HTML
- CSS
- SQL
- Ruby

Front-End Development

I have +2 years experiences about developing applications based on React and Typescript. I have knowledges of typical developing workflow, GitHub issue, CI, and deployment. I also have experience of applications using not the latest libraries (ex : jQuery or Flowtype).
Recently, I'm interested in AST(abstract syntax tree) and have created the babel plugin ([link](#)).

Machine Learning and Data Analysis

My M.S. research field is [Materials Informatics](#). Specifically, I'm interested in applying graph convolutional neural networks to designing inorganic crystals. I have knowledges of machine learning, data analysis and deep generative models (bayesian knowledge). Also, I have experiences about tabular data analysis related to kaggle and a company.

Works

Goofi Mobile

link : https://github.com/nd-02110114/goofi-mobile

Mobile app for searching good first issues in OSS.
I created this app to understand Expo(React Native), Apollo Client, Atomic Design and GraphQL.

Babel plugin object to json parse

link : https://github.com/nd-02110114/babel-plugin-object-to-json-parse

This babel plugin converts object literal to JSON.parse and inspired by [V8 blog](#).
Mathias Bynens introduced this plugin at ChromeDevSummit 2019.

OSS

React Native : [PRs](#)

I sent many PRs to Good First Issues.
My tasks were cleaning legacy codes, strengthening type definitions and so on.

js-primer (online book for JS beginners) : [PRs](#)

I integrated PWA in this app and offline access enabled. [Blog](#)

Chainer Chemistry : [PR](#)

I implemented graph convolutional neural network model for inorganic crystal.

Experiences

Preferred Networks, Inc

Aug 2019 - Sep 2019 (summer internship)

Implemented two graph convolutional neural network models ([MEGNet](), [CGCNN]()).
The PR was merged to [chainer-chemistry]().

Skills : Python, Chainer, Docker, k8s

CureApp, Inc

Jan 2018 - May 2019

Created web sites for visualizing the data stored in the mobile app.

Skills : TypeScript, Flowtype, Node.js, React, React Native, Webpack, Bebel

Wantedly, Inc

Aug 2017, 1 week (summer internship)

Added a new feature in the admin dashboard.

Skills : React

TOWN, Inc

Mar 2016 - Dec 2017

Created a web site for searching real estate.

Skills : WordPress, jQuery

Hackathon

- Recruit, Inc. Speed hackathon, 2019 Feb : Joined *1

*1 : The content of this hackathon is improving lighthouse score of a given static web site.
https://recruit-tech.co.jp/blog/2019/01/08/recruit_speedhackathon, https://room.trunk.fm/engineer/13068