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Japanese version is [here](#)

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## Educations

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### 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

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## 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 got 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

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## 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

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## 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

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## Preferred Networks, Inc

Aug 2019 - Sep 2019 (summer internship)

Implemented graph convolutional neural network model ([MEGNet](#)).  
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

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- 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://recruit-tech.co.jp/blog/2019/01/08/recruit_speedhackathon), <https://room.trunk.fm/engineer/13068>