Daiki Nishikawa

- Tokyo, Japan
- nd.12021218@gmail.com

GitHub : https://github.com/nd-02110114

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, 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 intern)

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

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

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