Contacts

{ GitHub , LinkedIn , diohabara@gmail.com }

Educations

The University of Texas at Dallas, August 2022 - Present

Graduate Student in Computer Science, Computer Science Department

The University of Tokyo, April 2017 - March 2022

Bachelor in EECS(Electrical Electronics and Computer Science), Department of Engineering
Wrote a senior thesis, "Type- and Sequential Effect-Guided Programming by Example," supervised by Masahiro FUJITA

Stanford University, June 2019 - September 2019

Exchange Student, Computer Science

Employments

Indeed: Software Engineer Intern, July 2022 - August 2022

I created a PoC data pipeline for its data infrastructure so that the data team and other teams can easily collaborate with the same API.

Hatena: Software Engineer Intern, February 2022 - May 2022

I improved the developer experience by migrating from Jenkins to GitHub Actions and speeding up CI/CD.

Q-Squared: Software Engineer Intern, June 2021 - February 2022

I made a proof of concept for network acceleration.
Blog post in Japanese

Mercari: Software Engineer Intern, August 2020 - September 2020

I made a static analysis tool for the Go programming language.

FLYWHEEL: Software Engineer Intern, July 2020 - August 2020

I made a real-time layer of the data platform.
Blog post in Japanese

Wantedly: Software Engineer Intern, August 2019 - September 2019

I improved existing functions of Wantedly People, an HR application, and added new functionalities.

Projects

The top 3 in ICCAD 2021 CAD Contest

"The CAD Contest at ICCAD is a challenging, multi-month research and development competition focusing on advanced, real-world problems in the field of Electronic Design Automation (EDA)."
I worked on circuit generation with other lab members in B4.

Implementation of TCP/IP protocol with KLab

I implemented TCP/IP protocol in C with mentors and other participants as an internship project in B4.

BrainF**k interpreter on Raspberry Pi: muscle_f**k

I created a Raspberry Pi app to enable people to get exercise while programming in B4

Addition of some functionalities to Firefox

I added additional bookmark properties to Firefox as a school project in B3.

Hobby repositories

A toy C compiler: ccc

I wrote a toy C compiler with an original lexer, parser, and code generator.