MIKE HE

https://ad1024.space

dh63@cs.washington.edu
(206) · 887 · 8588

EDUCATION

University of Washington, Seattle *Sept. 2018–Est. Jun. 2022*
B.S. in Computer Science
Overall GPA: 3.95

- Interests of Studies: Programming Languages - Type Theory & Formal Verification. Japanese Studies.

SPEC

Languages	Agda, Haskell, TypeScript, Python3, Java, HTML, LaTeX
Skills	Programming Languages, Functional Programming, Algorithm Design
What's more?	Violin (Performing Level certified by Central Conservatory Of Music)

EXPERIENCE

Relay Oct. 2019–Now
Research Assistant *Seattle, WA*

· A High-Level Intermidiate Representation for tvm stack.
· Being responsible for the evaluation infrastructure and performing efficiency analysis for the compiler.

UW Solar Data Research Jan. 2019–Sept. 2019
Undergraduate Participant *Seattle, WA*

· Developed online panel for visualizing data collected from solar panels deployed around UW campus; Deployed the system to the CEI Testbeds, tested for its stability and optimized its performance.

HCC Computing Community Feb. 2015–Mar. 2018
President & Lecturer & Web Developer *Bejing, China*

· Developed & maintained a website named Shiyiquan for Beijing National Day School to manage student organizations. Designed courses and lectures for high school students to learn Python, Android development and functional programming and held classes for students interested in computer programming.

PROJECTS

BNDS Online Judge *On Github*

An online judge designed for Beijing National Day School, developed based on Universal Online Judge (UOJ). It is optimized for CS course instructors to assign, review and grade homework for students. Implementations are contributed to UOJ open source community. Currently, it is being used as the official testing website at BNDS.

Lotus Leaf *On Github*

A frontend of a data panel for visualizing and monitoring data sets collected from solar metrics deployed arround University of Washington campus; The system is deployed at the Clear Energy Institute at University Village. This is a research project of ECE Department instructed by Professor Kirschen.

HONORS

- **JASSO Scholarship**, Waseda University *Jun. 2019*
- **Annual Dean's List**, University of Washington *2018-2019*
- **Global Rank 16 (out of 300+)**, High School CTF 5 *May. 2018*
- **First Prize**, Software Engineering Contest for High School Students (Beijing) *Apr. 2017*
- **Second Prize**, National Olympiad in Informatics (Beijing Regional) *Dec. 2016*
- **Outstanding Developer Team**, Xiaomi Inc. *Mar. 2015*