

Yuhao Chen

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EDUCATION

Bachelor of Computer Science
University of Waterloo, Waterloo, ON

2019 – present

WORK EXPERIENCE

Software Developer Intern
RSVP.ai, Waterloo, ON

May 2021 – Aug 2021

- Designed and developed a web monitoring system, including an error, performance, and event tracking SDK, a Node.js server, a database, and a web platform for data display and synthesis. The system has helped the team to identify user tastes and needs and provided key insights into the bugs that has happened to users. (React, Typescript, Node.js, MongoDB)
- Developed a data scraping pipeline in Python that collected and prepared 2 million training samples for machine learning models. (Python)
- Maintained and updated the existing NLP web platform and backend services for new functionalities and better performance. (Vue.js, Python)

Front-end Developer Intern
ByteDance, Beijing

May 2020 – Jan 2021

- Contributed to the Payment SDK in typescript, which is utilized by multiple teams for their purchasing and payment modules. (React, Typescript)
- Contributed to the internal WYSIWYG web builder, adding multiple draggable components with built-in business logic. The web builder enabled rapid construction of mobile compatible promotional pages with millions of page views. (React, Typescript)
- Designed and developed a UI library of customizable swipers, which were applied to the end-of-year summary pages across three product lines, totaling more than 9 million page views. (React, Typescript)

SELECTED PROJECTS

Alpha-CC (ongoing)

July 2021 – present

A Chinese Chess AI based on AlphaZero with a web game interface. (React, Typescript, Node.js, WebSocket)
<https://github.com/Alpha-CC>

Create-Hotdog-App

June 2021 – July 2021

Production-ready all-in-one react typescript boilerplate code generator, with babel 7, webpack 5, prettier, eslint, stylelint, commitlint, lint-staged, and husky. (Node.js, Typescript)
<https://github.com/Yuhao-C/create-hotdog-app>

AutoAG

Dec 2019 – Feb 2020

A web application built for CS educators that makes creating, grading, and attempting coding assignments simple. I created the assignment publishing platform and oversaw the code editor integration. (React, AWS)
<https://jingkangzhang.github.io/autoAG/>

Traveling Salesman Problem with Genetic Algorithm

Oct 2018 – Feb 2019

A visual solution to the Traveling Salesman Problem with Genetic Algorithm. (Java, Processing)
https://github.com/Yuhao-C/TSP_GeneticAlgorithm

SKILLS

JavaScript, HTML, CSS, Python, Java, C/C++, Typescript, React.js, Vue.js, Node.js, Next.js, Express, Electron, Webpack, HTTP, WebSocket, SQL, NoSQL, AWS, git