



# Yuhao Chen

BCS at University of Waterloo (Graduating Summer 2022)



## Summary

- A CS Student with experience in full-stack development. Adept in front-end frameworks such as React, and familiar with AWS for back-end development. Had experience in software development at ByteDance.



## Education

2019-09 -  
2022-08

- **University of Waterloo**  
Bachelor of Computer Science  
GPA: 3.74



## Work Experience

2020-05 -  
2020-11

- **ByteDance**  
Software Engineer Intern  
**Worked in Toutiao (a news and information content platform) dev team with focus in the trade and payment module of the mobile app.**
  - maintain and update the Payment SDK to meet new demands
  - create and maintain categories selection functionality and chat message interface of in-app shops.
  - add refund functionality to paid live-stream services for both user app and internal platform



## Selected Projects

2020-01 -  
2020-05

- **ScheduleHub (owner)**  
A web application that optimizes class schedules for UWaterloo students based on their preferences. The recommendation system is built upon machine learning algorithms. It also comes with a data labeling front-end interface. (React and AWS)  
<https://schedulehub.github.io/schedule-hub/>

2019-12 -  
2020-02

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

2018-04 -  
2018-09

- **Room Allocation System (owner)**  
A desktop application that implements a customized Genetic Algorithm to optimize for the allocation of student dormitories. (JavaFX and SQLite)  
<https://github.com/Yuhao-C/Room-Allocation-System>

2018-10 -  
2019-02

- **Traveling Salesman Problem (owner)**  
Solves the Traveling Salesman Problem with Genetic Algorithm. Includes visualizations of solutions using [Processing](#). Wrote a paper on the effect of mutation rate on the efficiency of the algorithm implemented.  
[https://github.com/Yuhao-C/TSP\\_GeneticAlgorithm](https://github.com/Yuhao-C/TSP_GeneticAlgorithm)



## Personal Info

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### GitHub

<https://github.com/Yuhao-C>



## Skills

HTML, CSS

React, Typescript

Java

Python

C/C++

Node.js

SQL

Matlab

Haskell



## Courses

Functional Programming Design

Algorithm Design and Data  
Abstraction

Logic and Computation

Object-Oriented Software  
Development

Computer Organization and Design