

Yufan Yang

10264 Charissglen Cir, Highlands Ranch, CO, 80126

yang.yufan.916@gmail.com | (720)225-7254

<https://www.linkedin.com/in/yufan-yang-709a6b19b/>

EDUCATION

Boston College

Bachelor of Arts Double Major in Mathematics and Computer Science

GPA: 3.713/4.00

Relevant Coursework: Algorithms, Data Structures, Database Implementation, Machine Learning, Software Engineering, Web Development, Object Oriented Programming

Chestnut Hill, MA

Graduated May 2022

WORK EXPERIENCE

Nagrastar, LLC

Junior Software Engineer

Denver, CO

July 2022 - present

- Led a new project in designing and implementing a new software for management of a core application with 600+ instances using Python Flask and Js. Significantly reduce the resource needed for management and monitoring
- Designed and implemented new algorithms to improve multiple existing core C++ softwares. Improved applications runtime on average by 40%. Migrated many applications to use API protocols to improve communication efficiency
- Regularly maintained company lab environment in kubernetes and pipeline on Gitlab to ensure CICD progress. Designed and implemented multiple automation tests, significantly improving the deployment efficiency.
- Designed and implemented a dashboard in Golang and Prometheus/Grafana to help monitor the status of applications

BlossomsAI Entrepreneurship

Co-founder and Tech Lead

Chestnut Hill, MA

March 2023 - present

- Led a team of 5 to create a software using GPT-Model in order to help improve the learning experience and teachers and students by providing feedback on students' quiz and homework results
- Designed and implemented backend and frontend using Python Flask and React. Deployed the application on AWS
- Actively presenting ideas and software to school teachers to seek feedback and improvements

Tianjin University

Research Assistant - Software development

Tianjin, China

May 2021 - Aug 2021

- Helped design and implement a course evaluation application in C which helped thousands of students with course registration dilemma

PROJECT

Peer Assessment

- Developed a peer assessment application using Django and Bootstrap to help reduce the peer assessment creation time and improve the evaluation process for both professors and students

Election Result Predictor

- Developed a Python application utilizing Natural Language Processing packages nltk and pandas to predict the winner of the 2020 presidential election based on the candidates' speech pattern evaluated using logistic regression and cross validation

SKILLS & Interests

Skills: Python, Java, C++, Golang, HTML, React, Js, Kubernetes, Docker, AWS, SQL, Flask, Gitlab, Git, Django