

Max Yuan

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EDUCATION

Yale University

New Haven, CT

B.S. in Computer Science and Economics | GPA: 4.0/4.0

Expected May 2023

Coursework: Data Structures, Systems Programming, Unsupervised Learning for Big Data, Linear Algebra, Discrete Mathematics, Microeconomics, Macroeconomics, Probability & Statistics

PROFESSIONAL EXPERIENCE

Yale University

Remote Work

Teaching Assistant

January 2021 - Present

- Holding daily office hours for students enrolled in the “Machine Learning for Single Cell Analysis” workshop
- Guiding students through Python implementations of various computational methods, such as PCA, clustering, denoising, and neural networks

Golden Section Technology

Remote Work

Part-Time Software and DevOps Engineer

August 2020 - Present

- Building a proprietary Business Intelligence (BI) Dashboard to view performance and sales data for client projects
- Continuing with all responsibilities held during the previous internship

16-Week DevOps Engineer Intern

May 2020 - August 2020

- Leveraged Web API's to fetch metric data from various software (AWS, New Relic, SonarQube, PipeDrive, Jira, etc.)
- Utilized CI/CD platforms (CircleCI, SonarQube, and New Relic APM) to streamline agile scrum development
- Managed AWS cloud resources and root accounts, Okta Single Sign-on policies, and IT Helpdesk requests

TECHNICAL EXPERIENCE

Yale Computer Society, Lead Front-End Developer

September 2019 - Present

- Collaborating with 11 other members to maintain and rebuild CourseTable, an intuitive course discovery platform that processes 1.5 million requests from 6,000+ Yale students every semester
- Leading the development of the ReactJS front-end web application with 500+ commits
- Reviewing all pull requests and helping other developers with bugs or design-related issues
- Contributed to the back-end crawler that keeps the SQL databases populated with updated course information

YPost Application, Full-Stack Developer

December 2020 - January 2021

- Collaborated with 2 other developers to build YPost, a MERN stack web app that allowed 4,000+ Yale students to send 11,000+ virtual holiday postcards to each other
- Integrated with Yale Central Authentication Service (CAS) to ensure the privacy and security of all postcards

GoodWork Application, Back-End Developer

November 2019

- Developed the back-end infrastructure for GoodWork, an application that finds local volunteer opportunities involving physical exercise for users trying to benefit both the community and themselves

Competitive Programming, Contestant

August 2017 - May 2019

- Qualified for Round 2 of the Google Code Jam competition in 2018 and 2019 (top 4,500 out of 60,000+ contestants)
- Promoted to USACO (USA Computing Olympiad) Platinum, the highest division, in February 2018

SKILLS

- **Languages:** (Proficient) C/C++, Python, JavaScript, HTML/CSS, Java | (Familiar) TypeScript, SQL, GraphQL
- **Libraries/Frameworks:** (Proficient) ReactJS, Bootstrap, Node.js, Express.js | (Familiar) jQuery, Pandas, PyTorch
- **Technologies/Concepts:** (Proficient) Git, AWS, API, Scrum, Database | (Familiar) Docker, CI/CD, Neural Nets, NLP