# 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: (*Taken*) Data Structures, Systems Programming, Linear Algebra, Discrete Mathematics, Microeconomics
    (*Taking*) Unsupervised Learning, Economics & Computation, Probability & Statistics, Macroeconomics

## PROFESSIONAL EXPERIENCE

**Golden Section Technology**                                                                                       **Houston, TX**

*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
- Implementing OpenID Connect (OIDC) Authentication in custom web and mobile apps for convenient single sign-on
- Continuing all responsibilities held during the previous internship
- *Technologies Utilized*: ReactJS, UmiJS, HTML/CSS, TypeScript, Java, AWS (RDS), Okta OIDC, Docker, CI/CD

*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.)
- Worked with CI/CD platforms like 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
- *Technologies Utilized*: Python, REST API, AWS (IAM, EC2, S3, RDS, Lambda, QuickSight), CI/CD

## TECHNICAL EXPERIENCE

**Yale Computer Society,** *Developer*                                                                  Fall 2019-Present
- Collaborating with 10 other members to maintain CourseTable, an intuitive course discovery platform that processes 1.5 million requests from 6,000+ Yale students per semester
- Leading the development of the ReactJS front-end web application (175+ commits and 6,000+ lines of code)
- Contributed to the back-end crawler that keeps the database populated with updated course info and evaluations
- *Technologies Utilized*: ReactJS, HTML/CSS, Python, GraphQL, Bootstrap, Apollo Client, Hasura, Docker

**GoodWork Application,** *Co-developer*                                                                       Fall 2019
- Collaborated with one other developer to build GoodWork, an application that finds local volunteer opportunities involving physical exercise to benefit both the community and the user
- Developed the back-end infrastructure that crawls the web for volunteer opportunities, incorporates Natural Language Processing to select those that involve physical exercise, and then uses a Firebase realtime database to store the results
- *Technologies Utilized:* Python, Java, Pandas, NumPy, Google Firebase

**Competitive Programming,** *Contestant*                                                                       2017-2019
- Learned and drilled various data structures and algorithms in order to solve complex coding challenges
- Qualified for Round 2 of the Google Code Jam competition in 2018 and 2019 (top 4,500 out of 60,000+ contestants)
- Led High School team to a 5th place finish at the international ACSL All-Star Competition in May 2018
- Promoted to USACO Platinum, the highest division, in February 2018
- *Technologies Utilized:* C++, Java

## SKILLS
- **Languages:** (*Proficient*) C/C++, Python, JavaScript, HTML/CSS | (*Familiar*) TypeScript, Java, Swift, SQL, GraphQL
- **Libraries/Frameworks:** (*Proficient*) ReactJS, Bootstrap, Apollo Client | (*Familiar*) UmiJS, jQuery, Pandas, NumPy
- **Technologies/Concepts:** (*Proficient*) Git, AWS, REST API's, Scrum | (*Familiar*) Docker, SSO Federation, CI/CD
- **Enterprise Software:** (*Proficient*) Asana, Okta, Stitch, Panoply | (*Familiar*) CircleCI, SonarQube, New Relic APM