

# Eric Yu

eric.j.yu@outlook.com

 [github.com/yu-eric](https://github.com/yu-eric)

 [linkedin.com/in/ericjyu](https://www.linkedin.com/in/ericjyu)

# 801.505.2943

 Sandy, UT

## Education

### University of Utah

Expected Graduation: May 2022

- Working towards BS in Computer Science; 3.85 GPA
- Relevant Coursework includes: Data Structures, Algorithms, Linear Algebra, Discrete Math

### Code to Success

Jun 2018 - Aug 2018

- Spent six weeks learning front-end design using HTML/CSS + Flexbox and back-end development using Javascript + React/Redux
- Built over twelve applications, including a countdown timer and a course scheduler

## Experience

### Research Assistant

Myers Research Lab  
Aug 2019 - Present

- Located at a University of Utah affiliated lab specializing in synthetic biology
- Currently working with multiple universities on a joint project to better the storage and standardization of genetic parts
- Helping to implement a sequence-based searching system on genetic sequences using open-source tools

### Energy Intern

Canyons School District  
Jun 2019 - Aug 2019

- Audited twenty-plus school sprinkler systems within the Canyons School District to collect water usage data
- Recorded and analyzed raw data using Excel to plan the most efficient system
- Saved over one million gallons of water by optimizing watering times and flow rates of sprinklers

## Skills

### Technical

- Java (5yrs), Python (2yrs), C#, HTML/CSS, Javascript
- Git, JUnit, Bash, Visual Studio, IntelliJ, Maven, Gradle

### Functional

- OOP, SDLC, MVC, UML
- English, Mandarin Chinese, Cantonese

## Leadership

### FIRST Robotics

Sep. 2018 - May 2019

- Acted as team lead, oversaw eight programmers through managing pull requests and holding weekly progress meetings

## Awards

### Best Startup Project

HackTheU, Oct 2019

- Created a smart garbage management system called HastyWaste using wireless sensors to collect data and optimize disposal schedules

### National Merit Finalist

National Merit Scholarship Corporation, Jan 2019

- Selected as one of 15,000 students from a pool of more than one million candidates to receive a college-sponsored scholarship

## Projects

### Personal Website

- Used Blogdown and Netlify to build and deploy a website with CI/CD capabilities (eric-yu.com)

## Volunteer Work

### Red Cross

2016 - 2018

- Performed outreach to the community and fundraising for international charities as a member of the local youth services chapter.