

Eric Yu

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 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

Software Developer Intern

Myers Research Lab

Aug 2019 - Present

- Located at a University of Utah affiliated lab specializing in synthetic biology
- Helping develop a full-stack gene repository using HTML/CSS + Pug for frontend and Node.js for backend
- Currently implementing a sequence-based searching system on genetic sequences using Elasticsearch and Virtuoso

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.