

Lulu Sun

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Dedicated self-taught programmer searching for a career in software engineering. Detail-oriented and experienced with driving projects to completion. Thrives in an environment of open collaboration and strong teamwork.

EDUCATION

Northwestern University, Evanston, IL

Sept 2014 – June 2018

McCormick School of Engineering and Applied Science

B.S. Chemical Engineering, Minor in Biotechnology and Biochemical Engineering

SKILLS

Programming

Python, Ruby, C#, C, JavaScript, HTML, CSS, Repl.it, Git, GitHub, Visual Studio, Visual Studio Code, Unity, Flask, Django

EXPERIENCE

Journey Learning Studio, *Introduction to Computer Science Principles*

Seattle, WA

Instructor

June 2022 – Current

- Lead a class of 6-8th graders over Zoom through weekly lessons, discussions, and interactive activities using Scratch, Python, Repl.it, and Canvas
- Develop custom 8-week curriculum, homework, lecture content, and end-term projects

Seattle Children's Hospital Research Institute, *Seattle Children's Therapeutics*

Seattle, WA

Research Scientist, Technology Development Team

August 2019 – June 2021

- Evaluated three novel Chimeric Antigen Receptor (CAR) T-cell production technologies for treatment of childhood leukemia and lymphoma via extensive exploratory experiments
- Generated, characterized, and maintained tumor antigen expressing cell lines for functional T-cell assays
- Created Good Laboratory Practice (GLP) compliant pipetting protocols on the Integra ASSIST pipetting robot to introduce automated sterile cell culture procedures for the lab

Northwestern University, *Department of Chemical and Biological Engineering*

Evanston, IL

Northwestern iGEM Student Mentor

July 2018 – October 2018

- Mentored the 2018 iGEM (international Genetically Engineered Machine) team as a member of the 2017 award-winning team by teaching experimental techniques and troubleshooting experiments
- Guided team during weekly meetings by providing project management guidance via Gantt chart and giving advice on outreach efforts and project website content

PERSONAL PROJECTS

Dodo's Day

May 2022 - June 2022

100100 Productions

- Delivered a cohesive custom game by leading a 2-month game development process, delegating task items, implementing the core game loop, designing the sprites and tilesets, and incorporating idea contributions from bridesmaids
- Presented Pokemon-inspired story game to wedding party during wedding festivities as a personalized gift to the bride
- Developed individual minigames, interactive dialogue system, and customized animated sprites for each bridesmaid

Mito

November 2021

Team Liquid Hackathon

- Built and delivered web application to analyze player stats from League of Legends competitive games with visual graphs
- Collaborated with a team of 4 by setting project goalposts and deliverables and compiling presentation with project story for final submission on Devpost
- Prioritized readability and accessibility by using minimalistic charts and colorblind friendly colors
- Populated data graphs with calculated player statistics using information pulled from the Riot API

RELEVANT COURSEWORK

Graph Search, Shortest Paths, and Data Structures

Stanford & Coursera

Divide and Conquer, Sorting and Searching, and Randomized Algorithms

Stanford & Coursera

CS50x Introduction to Computer Science

Harvard & edX