

Education

Oregon State University, Corvallis, OR
Bachelor of Engineer: Computer Science

Expected Graduation: June 2020
CS Core GPA: 3.87

Work Experience

Electro Scientific Industries

April 2019 to Present

High Tech Company – **Software Engineer Intern (6months)**

- Work with a group of three mentors including two software engineers and one system engineer.
- Made two C# projects to process huge amount of data and apply different algorithms to data.
- Joined group meetings, discussed the problems of project, purposed my solution, received feedback and revised my plan.
- Experienced the professional software development.

Oregon State University – College of Engineering

September 2017 to Present

Introduction to Computer Science – **Teaching Assistant**

- Conduct a 10-week lab that has **30 students** each term.
- Hold up to 6 hours of office hours that assists students to debug and understand class contents.
- Grade assignments and provide quality feedback.
- Teach a 20 people's recitation, explain C++ knowledge, teach the common skills of problem solving and grade quiz.

Center for Applied System & Software

June 2018 to Sep 2018

Contractor Company – **Student Programmer**

- Work with a group of two professional software engineer mentors and three student developers.
 - Use professional code format to deal with real world project – majorly in web development and software.
 - Use MVC, jQuery, Advanced-CSS, React to build front-end & back-end.
 - Experienced the huge difference between academic coding and professional coding
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Computer Science Projects

Oregon State University – College of Engineering

★ Muti-Algorithms – Data Processing and Data Analysis tool with different algorithms

April to Sep 2019

1. Six months personal project at my 2019 internship.
2. C# project that used windows form and Dll.
3. It's able to process huge amount of data and apply different algorithms to get different results
4. It's expandable and flexible. You are able to add more DIY algorithms.

★ SmarterBalanced Website – Web development Group project at Internship (MVC, jQuery)

June to September, 2018

1. Worked as a member of the professional group from the Contractor company.
2. Used MVC, jQuery, Advanced-CSS to build multiple website pages with different styles and functions.
3. Actively communicated with co-workers and follow the professional coding format

★ Edit Distance – Algorithm Assignment(C++)

March 2019

1. Built a C++ program to implement algorithm for Edit Distance.
2. My algorithm takes two strings, using insertion, deletion, substitute, Then makes two strings match and calculate the minimum cost.

★ Pokémon – Algorithm Assignment (C++)

May 2017

1. Created a C++ game which mimics Pokémon Go.
2. Printed the game board and let the user move around to catch all kinds of Pokémon and evolve them.
3. Used dynamic 2D array on the heap so that the map could be unlimited large.
4. Used polymorphism and inheritance to design 9 different Pokémon.

You can find all the above projects through this link <https://github.com/TJC1997/CS-Work>

Skills

C++ (3 years), C (2 years), Python (1 year), C# (2 years), JavaScript (2 years), jQuery (1 year), typescript (3 months), MVC (3 months), React (3 months), Html (2 years), CSS (2 years), Node.js (6 months), MongoDB (6 months), Assembly (6 months), Golang (3 months), Haskell (3 months).