

# Shane Clancy

✉ clancys@oregonstate.edu • 🌐 github.com/shaneclancy

Undergraduate senior computer science major with a focus on computer systems. Minor in Mathematics. Passionate about development of systems design, back-end development, optimization, machine learning, and developing software and solutions to a wide range of problems.

## Education.....

- **Oregon State University** **BS Computer Science Systems with Minor in Mathematics**  
3.48 GPA *September 2016 - Present*  
Over the past three years I have been studying Computer Science with a focus on Computer Systems and improving programming skills, interpersonal skills, teamwork, and writing, in a wide range of classes.

## Work Experience.....

- **Student Programmer/Analyst** **August 2019 - Present**  
*Oregon State Graduate School*  
Currently developing Salesforce applications for the Graduate School at Oregon State University while directly working with Graduate School clients and employees. Development is full-stack, test driven, and agile with a heavy focus on teamwork to accomplish large projects that will go into production.
- **Line Cook** **June 2014 - October 2015**  
*JJ Magoos Pizza*  
Worked as a line cook and managed the timing of orders for pick-up and delivery, assisted customers with their orders and coordinated with delivery drivers.

## Notable Projects.....

- **Weather Information Visualization Project**  
This project I worked on in a small team in which the goal was to display weather information for cities within the United States in unique ways. User can make queries over the data to from a front-end website to match certain ranges, such as state, city, months of the year, average high/low temperatures, and rainfall. We used the Google maps API to display the cities that matched the users queries and gave each result its specific page with a 5 day forecast as well as all of the months of the year that had matched the user query.
- **Conversion to TeX**  
This project I am currently working involves translating raw data into convenient TeX formatted data structures through automation. Current implementation includes converting raw csv data into formatted tables. Looking to implement other features such as graphs from csv data and building a desktop application to assist users with these operations.
- **Linear Algebra in C/C++**  
Currently working on implementing a fast and optimized implementation of linear algebra within C and C++ to speed up the time it takes for complex machine learning problems. The goal is to automate memory operations while interacting with the object, so that the user can write fast code similar to what they may be used to while writing python, due to popular libraries such as PyTorch, Keras, and Tensorflow.

## Technical and Personal skills.....

- **Programming Languages:** Proficient in: C, C++, Python, Java, Apex, JavaScript, MySQL, Assembly, MATLAB.
- **Industry Software Skills:** PyTorch, Tensorflow, Visual Studio, Linux.
- **General Skills:** Technical Writing, soldering, experience organizing meetings.