

**Ryan Poppe**  
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## Software Engineer

### EDUCATION

**University of Nevada, Las Vegas**

*Bachelor of Science: Computer Science*  
*Minor in Mathematics*

GPA: 3.35  
GPA: 3.75

Las Vegas, Nevada

May, 2021

### RELEVANT COURSEWORK

- Software Product Design
- Analysis of Algorithms
- Information Assurance
- Internet Security
- Data Structures
- Programming Languages
- Systems Programming
- Computer Organization
- Operating Systems
- Compiler Construction
- Machine Learning
- Linear Algebra
- Probability & Statistics

### TECHNICAL SKILLS

**Proficient Languages:** C++, Python

**Familiar Languages:** Assembly, Bash, C, CSS, HTML, Java, JavaScript, L<sup>A</sup>T<sub>E</sub>X, Ruby

**Tools:** Adobe CC, Arduino, CLI, CodeBlocks, Docker, Doxygen, Emscripten, Git, Google G Suite, Jupyter Notebook, Linux, Microsoft Office, Overleaf, Qt, Slack, Trello, Ubuntu, Vim, Visual Studio, Windows, Wireshark

**Extra:** Object Oriented Programming, OOP, Unit Testing, webAssembly

### PROJECT EXPERIENCE

**Web Fonts** *Senior Design Competition*

Aug, 2020 – Dec, 2020

- Developed a way to more easily render fonts on a web canvas
- Programmed & compiled C++ rendering engine to webAssembly
- Managed team with an Agile workflow through Trello
- Collaborated with team through Git & Slack

**Social Media Analysis** *Data Structures Project*

Jan, 2018 – May, 2018

- Designed code to find the top influencers in a social network
- Applied knowledge of data structures & graph theory
- Involved in class competition to see which student had the most efficient algorithm
- Sorted data with quicksort algorithm

**Javascript FreeType plug-in for Quorum Language** *Independent Study Project*

Jan, 2021 – May, 2021

- Adapted existing FreeType font library to work in Quorum via JavaScript & webAssembly
- Researched ShadowDOM

**Machine Learning** *Machine Learning Project*

Aug, 2020 – Dec, 2020

- Ran experiments on data with linear regression, logistic regression, k-nearest neighbor, neural networks, & more
- Constructed models using Sklearn, Seaborn, Pandas, & other Python libraries

### WORK EXPERIENCE

**Meineke**

Henderson, Nevada

*Mechanic/Lead Technician*

Mar, 2014 – Aug, 2020

- Job focused on problem solving to diagnose & repair vehicles
- Rebuilt engine from a pile of parts after a failed repair somewhere else
- Demonstrated strong communication skills & collaboration with sales team

### LEADERSHIP WORK EXPERIENCE

**Heartland Automotive**

Henderson, Nevada

*General Manager*

Feb, 2008 – Jun, 2013

- Managed sales team, technicians, & business operations
- Directed daily meetings & staff training programs