

Guillermo Del Valle

(775) 742-1448 | gdelvalle@nevada.unr.edu | github.com/gdelvalle99

EDUCATION

University of Nevada, Reno

B.S. Computer Science and Engineering, Minor in Mathematics

GPA: 3.53

Reno, NV

August 2017 - May 2021

EXPERIENCE

Aruba Networks

Systems Validation Engineer Intern

Roseville, CA

May 2020 - Present

- Manually configured and tested various features on enterprise grade switches.
- Generated automated test cases in Python for different networking protocols, such as NTP and CoPP.
- Utilized Jira to coordinate with others on my team while working remotely.

University of Nevada, Reno - School of Medicine

Student Worker

Reno, NV

January 2019 - Present

- Design and develop plugins to increase efficiency for ImageJ, a Java-based image processing software.
- Designed a plugin to automate the segmentation and analysis of spatio-temporal maps
- Designed a plugin to calculate the overlap between a variable amount of spatio-temporal maps.

Big Brother Big Sister

Volunteer

Reno, NV

May 2018 - Present

- Mentor and support an elementary student throughout the school year.
- Provide leadership and guidance to an elementary student.
- Provide emotional support and relief to an elementary student.

PROJECTS

Data Pipeline for AttParseNet

Student

Reno, NV

January 2020 - May 2020

- Built a data generation pipeline with Python, OpenCV, dlib and NumPy.
- Searches a directory of faces based on a .csv file and landmarks different parts of the face.

PUBLICATIONS

Wesley A. Leigh, Guillermo Del Valle, Sharif Amit Kamran, Bernard T. Drumm, Alireza Tavakkoli, Kenton M. Sanders, and Salah A. Baker. A high throughput machine-learning driven analysis of ca^{2+} spatio-temporal maps. Cell Calcium, 91:102260, 2020.

SKILLS AND SELECTED COURSEWORK

Programming Languages: Proficient in Python, C++. Intermediate in C, Java, HTML, CSS. Previous experience with Javascript.

Technologies: Experience with Windows, MacOS, Linux operating systems. Experience with Git, Maven, Tensorflow, OpenCV, NumPy.

Completed Courses: Data Structures, Analysis of Algorithms, Operating Systems, Deep Learning, Machine Learning, Image Processing, Computer Vision, Multivariable Calculus, Linear Algebra.

Enrolled Courses: Software Engineering, Automata and Formal Languages, Computer Communication Networks, Design Patterns, Theory of Positive Integers.