

VINCENT PHAM

University of Nevada, Reno

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github.com/vncp

TECHNICAL EXPERIENCE

Student System Administrator

Engineering Computing Center (UNR)

📅 January 2020 – Present 📍 Reno, NV

- I worked on full-stack applications helping to make remote services more accessible to hundreds of students. We worked with virtualization and distribution of Linux and Windows containers students could use by simply accessing a web page. My work consisted of creating front-end forms, management dashboards, and automating the Linux containers.
- My main responsibilities are to work on improving infrastructure, management, and maintenance of the services/hardware we provide to both students and professors. Gained knowledge about UNIX systems, development, automation, and testing.
- Managing and maintaining a network of 350 Linux/Windows computers, printers, and servers.

Research Assistant (Programmer)

Dr. Simon Pieraut (UNR)

📅 Feb 2017 – June 2018 📍 Reno, NV

- I worked with a neuroscience project before I switched to computer science, writing several MATLAB scripts and translating neuroscience concepts into code. This work required deep understanding of neuroscience and statistical concepts.
- Analyzed and reviewed the effects neuronal pattern separations and encoding based on the vectorization of high-volume data.

SKILLS

Languages (Experience):

C++ (2 years, Intermediate/Advanced)

Python (2 years, Intermediate)

GoLang (3 months, Intermediate)

ES6 JS + TypeScript (3 months, Intermediate)

HTML5, CSS3 (Intermediate)

Tools/Frameworks

React, NextJS, MySQL, Agile/Scrum development, Git/GitHub

RELEVANT COURSEWORK

UNR

Object Oriented Programming, Data Structures, Computer Organization, Digital Design, Design Patterns, Machine Learning, Programming Languages, Discrete Mathematics (CS), Graph Theory, Linear Algebra, Calculus, Probability/Stats, Algorithms, Operating Systems

EDUCATION

Computer Science & Engineering B.S.

Math Minor (Major GPA: 3.5)

University of Nevada, Reno

📅 August 2019 – Present

Neuroscience B.S.

University of Nevada, Reno

📅 August 2016 – December 2019

PROJECTS

Portfolio Website

vncp.me [GitHub Link](#)

- Static front-end portfolio hosted with Google Firebase. Using NextJS and TypeScript.

VM/Container Management

- Containers allow students to have a UNIX environment with root privileges or allow access to on-campus Windows machines from home. Back-end was done through Apache Guacamole and LXC/LXD using VNC/RDP protocols. Front-end was written using Bootstrap, React, and TypeScript. Used by engineering students at UNR.

Neural Encoding

[Publication Link](#)

- Research project working with MATLAB projecting neuronal output into multi-dimensional vector data. First experience programming.

School Hackathon Twitter Dialect Analysis

[Github Link](#) Attempted to train ML model using a tweet stream

- Uses NLP models along with a TCP/IP socket stream and Apache Hadoop/Spark to find differences in English from different geographical locations.

Journaling App

[Github Link](#)

- Simple fullstack application using MySQL, Django, React employing MVC design pattern.

REFERENCES

Zachary Newell

Current Supervisor

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Dr. Simon Pieraut

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