Harrison Henley

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Education

San Diego State University	**2023 - Present**
BS, Information Systems - GPA 3.94	San Diego, California

Minor: Computer Science
Select Courses - Advanced Programming Languages, Data Structures & Algorithms

Grossmont College	**2020 - 2022**
AS, Science & Quantitative Reasoning - GPA 3.9	San Diego, California

Projects

- Developed a machine learning program using Pandas and Scikit-learn to predict Kickstarter Project outcomes, showcasing adept data manipulation skills and expertise in model development. Achieved exceptional accuracy with a Neural Network model, underscoring proficiency in advanced machine learning techniques.
- Designed a Python program to fetch real-time earthquake data from the USGS API, demonstrating adept API integration skills and employing data processing techniques for extraction and enhancement. Integrated the OpenCage Geocoding API to enrich location data, generated user-friendly outputs, and created a comprehensive CSV dataset, showcasing strong data handling and storage capabilities.
- Developed CABInterpreter, a custom language interpreter in Python, proficiently handling diverse programming constructs and optimizing for execution efficiency, while also constructing an online macronutrient calculator using JavaScript, HTML, and CSS, hosted on my personal website for enhanced user accessibility.

Work Experience

Systems Engineer III	**Mar 2024 – Present**
KES Inc	San Diego, California

- Crafted a Python script for systematic analysis of spreadsheets across multiple ships, effectively identifying recurring issues and enhancing problem-solving efficiency, while also analyzing over 70 reports per ship provided by engineers to capture critical issues.

Systems Analyst	**May 2020 – Nov 2023**
Sayres and Associates	San Diego, California

- Lead 20 System and Network Engineers for Systems Operability Tests onboard 45 US Naval Ships to ensure flawless functionality across all computer and network systems
- Mitigated 100+ critical issues per ship by leading System and Network Engineers through designed test plans and analyzing daily system reports
- Ensured reliable connectivity by providing end-to-end C4I Systems support during deployment and fleet wide operations

Network Engineer	**Aug 2019 – May 2020**
Sayres and Associates	San Diego, California

- Devoted over 100 hours troubleshooting, installing, and reconfiguring two network critical switches and rebuilt the proxy server (Microsoft TMG), returning the network to fully operational
- Installed and rebuilt virtual machines by connecting and configuring hardware/software with network functionality
- Configured, managed, monitored, and troubleshot, Windows servers, Linux servers, Cisco switches and routers, SharePoint, internal websites, and PowerShell scripts

Information Technology Specialist	**Oct 2013 – Aug 2019**
United States Navy	San Diego, California

- Lead Consolidated Afloat Network Enterprise Services (CANES) Administrator with direct, hands-on role in tech refreshes, rebuilding various virtual machines, and troubleshooting various systems and equipment
- Maintained and configured Cisco Routers, Switches, Wireless Access Points, and Firewalls, ensuring 300+ end users experience uninterrupted access, and limiting device communications to only approved necessary processes

Technologies and Languages

Programming languages:	Python, JavaScript, Java, C#, C,
Clearance:	**Top Secret**
Certificates:	CompTIA Sec+/Linux+/A+, ManTech HBSS Certified Basic & Advanced