Penelope Sanchez

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Education

August 2021 - December 2023 - BYU-Idaho, Rexburg, ID	**GPA: 3.9**
Bachelor of Science in Software Engineering	
April 2018 - July 2020 - Ensign College, Salt Lake City, UT	**GPA: 3.9**
Associate of Software Development	

Skills

- ❖ Programming Languages: C++, HTML, JavaScript, Python, R, SQL
- ❖ C++: Visual Studio Code (VS Code)
- ❖ JavaScript: Node.js, React Native, Vue.js
- ❖ Python: LetsPlot, NumPy, Pandas, Polars, PySpark, Scikit-learn, XGBoost
- ❖ R: Ggplot2, Lubridate, Mosaic, Rvest, Tidyverse
- ❖ SQL: Kubernetes, MySQL, PostgreSQL, SSMS, VM instances
- ❖ Others: AWS (Amazon Web Services), GitHub, GCP (Google Cloud Platform), LINUX, Microsoft Access, Microsoft Azure, Microsoft Excel, Microsoft Power BI, Tableau

Professional Experience

Data Scientist, Vorp Energy. Rigby, ID   *January 2024 – Present*
- ❖ Utilize a range of data analysis tools to help my team generate insights and formulate business strategies. I have expertise in mathematics and statistics, strong communication skills, and proficiency with data analytics and visualization tools
- ❖ Designed predictive models with a 15% decrease in forecasting errors, leading to improved strategic planning

Software Engineering Internship, BYU-I. Rexburg, ID   *August 2023 - December 2023*
- ❖ Developed customizable and efficient full-stack web applications/apps, resulting in a 30% increase in user engagement and satisfaction across various devices

Support Technician, Maximus. Sandy, UT   *October 2020 - August 2021*
- ❖ Utilized ServiceNow to address networking issue tickets
- ❖ Contributed to the monitoring and response efforts for multiple large-scale enterprise networks
- ❖ Collaborated with a team of engineers to implement design changes and fix bugs
- ❖ Hands on experience with high end networking equipment from vendors such as PaloAlto, Aruba, Arista, & Cisco
- ❖ Troubleshoot issues with VLANS, DNS, DHCP, and TCP/IP
- ❖ Established a new ticket categorization system, leading to a 20% decrease in resolution times

TA Cybersecurity / Scrum Master, Ensign College. Salt Lake City, UT   *April 2019 - September 2020*
- ❖ Utilized cutting-edge penetration testing tools to address real cyber-attacks, identifying and exploiting vulnerabilities with an 85% success rate

Cybersecurity Internship / Scrum Master, Ensign College. Salt Lake City, UT   *August 2019 - December 2019*
- ❖ Coded a Python script automating network device vulnerability scans, enhancing efficiency by 30%

Data Scientist / Scrum Master / Project Manager, Citibank. Mexico City, MX   *January 2015 - April 2018*
- ❖ Created automated reporting systems to improve data processing and analysis, decreasing manual effort by 50% and expediting decision-making
- ❖ Adopted Agile practices, resulting in a 60% decrease in task bottlenecks and a more efficient workflow, ensuring timely project milestone delivery

Languages

- ❖ English (Fluent) | Spanish (Fluent)