

JOHN (CHRIS) ROSENBERGER

Data Scientist

 (281) 922-8185  j.c.rosenberger@pm.me  [LinkedIn/JohnRosenberger](https://www.linkedin.com/in/JohnRosenberger)  [GitHub/JCRosenberger](https://github.com/JCRosenberger)

Detailed Army Veteran with experience working in Information Technology. Lifelong learner with a consistent, demonstrated ability to adapt to new challenges, learning, and environments and eager to contribute broad, multi-disciplinary experience. Excels in breaking down complex subjects simply, contextualizing information for varied audiences. Successful in a broad range of positions in critical, no-fail work environments; Flexible as either a leader or part of a team accomplishing large volume of work with little need for intensive management. Proven ability to manage moving between long term projects and short term problem resolution without impairing the operational environment and keeping projects from stagnating. Adept at communicating complex and specialized information concisely allowing management to have accurate “snapshots” of systemic problems in proportion to their effect on the organization. Experienced working with system administration and network administration in an active directory environment.

TECHNICAL SKILLS

Python - SQL - Tableau - Matplotlib - MySQL - pandas - NumPy - Spark - Git - Applied Statistics - Machine Learning - Natural Language Processing - Data Storytelling Cisco Certified Network Associate: R&S (CCNA: R&S) Cisco Certified Network Associate: Security (CCNA: Security) COMPTIA Network+ COMPTIA Security+

DATA SCIENCE PROJECTS

Project Name: ([German Credit Analysis](#))

This project is a look at a dataset released by German Professor Dr. Hans Hofmann which includes 1,000 applicants for credit at German banks. Which applicants were considered low risk and which were high risk? Using machine learning techniques, I was able to train an algorithm to correctly guess which applicants were high and which were low risk with 100% accuracy. This improved the baseline guess of 68% by 32 percentage points.

Environment: Using Jupyter notebook with code written in python

Project Name: ([Predicting Zillow's Errors](#))

Working with a partner, constructed an attempt at Zillow's kaggle contest entry from a couple of years ago to improve the Z-estimate. Using machine learning using several tools like feature engineering clusters and linear as well as non-linear approaches for predicting what caused Zillow's estimate errors.

Environment: Using Jupyter notebook with code written in python

MILITARY EXPERIENCE

US ARMY | Sep 2001 – Nov 2013

United States Army South (ARSOUTH)

Senior Information Technology Specialist | Jan 2011 – Nov 2013

- Delivered customer support and technical advice in ARSOUTH, a two-star general officer headquarters assigned as the Army Service Component Command of US Southern Command.
- Ensured and maintained a wide range of automation, communications and information technology support to an 800-member senior headquarters supporting a fast-paced multinational operation that comprised 31 nations.
- Ensured and maintained critical command and control capabilities in support of the mission while managing both non-classified and classified communications equipment.
- Safeguarded \$10 million of taxpayer provided communications equipment with no losses.
- Fostered the personal and professional growth of the soldiers that were assigned to the team.
- Handpicked to join the Commanding General's emergency communications deployment team for 2 years.

704th Brigade Combat Team, 4th Brigade, 4th Infantry Division

Information Assurance Security Officer | Sep 2008 – May 2009 / May 2010 – Dec 2010

Network Administrator, Team Leader, Command Post Node | May 2009 – May 2010

- Delivered inspections of both non-classified and classified systems for compliance with Army's Best Business Practices ensuring security

- Inspected unclassified and classified systems for compliance with Army's Best Business Practices
- regarding security throughout a 500-person organization
- Led help desk team in providing customer support in the form of technical assistance to the organization's departments and personnel
- Led a team while deployed in the Himalayan Mountains of Afghanistan for a year.
- Successfully provided both non-classified and classified network access via satellite communications for a small base with 200 users.
- Safeguarded \$2.5 million of taxpayer provided communications equipment with no losses.
- Coordinated with civilian contractors to set up an aerostat blimp providing continuous video feed enabling surveillance of areas up to 100 miles away regarding security throughout the 500-person organization.
- Led help desk team in providing customer support in the form of technical assistance to the organization's departments and personnel.
- Lead a small team that provided unclassified and classified network access via satellite communications for a small base with 200 users.
- Worked with civilian contractors to set up an aerostat blimp that provided continuous video feed allowing for surveillance of nearby areas up to 100 miles away.

PROFESSIONAL EXPERIENCE

Nexus Health Systems

Network Administrator/Engineer | Nov 2014 – July 2016

- Lead role managing the network for a multi-site LAN and WAN environment with +850 active users and seven branch locations.
- Turned around the IT department with a minimal budget, using outdated, expensive equipment.
- Created an action plan to renew equipment and educate management keeping up with industry standards and replacing lifecycle equipment was perpetuating serious problems for doctors and nurses and creating liabilities on regulatory compliance issues.
- Worked closely with systems architects on a half million-dollar project to revamp entire network infrastructure; saved the hospital \$6,600 monthly in ISP contracts for +\$225,000 in savings.
- Created registries of all network equipment in the entire hospital system, including purpose, access for maintenance, obsolescence and security.
- Worked closely with administration to eliminate expensive contracts with external IT contracting vendors and external organizations, saving tens of thousands of dollars per contractor quarterly.
- Managed the network for a multi-site LAN and WAN environment with over 850 active users.
- From August of 2015 to July 2016, worked closely with systems architects on a half million-dollar project to revamp the entire network infrastructure. This multi-phase project included:
 - Replacing every switch, router, wireless access point and firewall with updated, modern equipment.
 - Deprecated existing wide area network (WAN) technology from the expensive MPLS protocol to a much less expensive DMVPN infrastructure which enabled the ISP vendor change.
 - Saved the hospital about \$6,600 a month over the 36-month ISP contracts to be more than \$225,000 in savings.
- Supported the company help desk as a tier 2 and 3 technician to resolve complex and difficult issues enabling the help desk technicians to focus on resolving quicker, easier to handle user issues.

EDUCATION

Codeup

Certification of Completion

Aug 2022 - Feb 2023

Fully-immersive, project-based 20-week career accelerator that provided 670+ hours of expert instruction in applied data science. Developed expertise across the full pipeline (planning, acquisition, preparation, exploration, modeling, storytelling), to become comfortable working with real, messy data in order to deliver actionable insights to diverse stakeholders.

Texas Tech University

Master of Science *In Progress

Agricultural and Applied Economics

Cevro Institute - Prague

Master of Arts *In Progress

Philosophy, Politics, & Economics | 2020

University of Houston

Bachelor of Science in Economics

Quantitative Economics Certificate| Cum Laude | 2018