

Connor Boos


Data & Automation Engineer | Cybersecurity, AI, Testing, Visualization

Versatile Engineer specializing in Data Visualization, Test Automation, and Scalable Systems. Proven success driving impact across cybersecurity, AI, and enterprise analytics—identifying millions of vulnerabilities, improving data quality, and building high-performance testing frameworks in C#, Python, and cloud platforms.

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 Orlando, FL

Data Scientist Experience

Data Visualization Engineer and Vulnerability Team Lead

NEWS CORP - Remote

JAN 2022 - Present (Full Time)

- Led data-driven cyber defense initiatives by visualizing 30M+ vulnerabilities across tools (Qualys, Wiz, XSOAR, Crowdstrike) in Looker, aligned with ISO, SOX, and IEC 27002 standards.
- Automated data processing for 100M+ vulnerabilities using Python, regex, and web scraping—enhancing asset hygiene by 60% and reducing patching time by 25%.
- Built scalable dashboards in Looker and Splunk for 100K+ assets and led cross-functional collaboration to improve true positive identification by 80%.

Data Visualization Engineer

ULTIMATE KNOWLEDGE INSTITUTE - Remote

JUL 2021 - NOV 2021

- Developed automated testing for performance and usability using Python and Selenium, while scraping and enhancing student profile data with real-time social insights.
- Built C#/.NET visualizations backed by Azure database analysis, supporting educational metrics for 10,000+ DoD users and streamlining DevOps collaboration.
- Applied the full data science lifecycle using PySpark, Airflow, and Databricks, driving pipeline efficiency and delivering production-ready dashboards and models.

Data Analyst

GENALPHA TECHNOLOGIES, LLC – Brookfield, WI

MAY 2018 to JUL 2019

- Conducted pricing analysis for the mining industry using data mining, statistical modeling, and Selenium web scraping, gathering 50K+ competitor price points to optimize pricing for 2,000 aftermarket parts.
- Improved price positioning by 30%, driving a \$500K sales increase, and developed a Python algorithm to recommend upsell products based on historical sales patterns.
- Created regression models and Power BI dashboards to track, predict pricing trends, and present actionable sales insights to stakeholders.

General Skills

Programming Languages

- Python, Java SE, C, C++, C#, SQL, JavaScript, HTML, CSS

Data & Analytics Tools

- Power BI, Tableau, Looker Studio, Google Analytics, Minitab, MS Office

Data Engineering & Big Data

- Snowflake, BigQuery, Databricks, Pyspark, Airflow, Hadoop, Oracle, DBMS, BOTO3, S3, Azure

Web Development & Frameworks

- AngularJS, Drupal 7, AJAX/JSON, XML, REST APIs

Automation & Testing

- Selenium, Puppeteer, JUnit, Testrail, Test Planning, JIRA

DevOps & Cloud

- Azure, AWS (BOTO3, S3), CI/CD

Project Management & Collaboration

- SCRUM, JIRA, TestRail, UML Diagrams, Slack, Teams

Operating Systems & Environments

- Linux (Yocto OS), Windows

Interests



Soccer



Dog Rescue



Stock Market



Chef Style Dishes

Automation/Software Engineering Experience

Automation Engineer

LOGITIX / Victory Live - Remote

JAN 2024 - JUN 2025 (Full-Time, Concurrent with News Corp)

- Built a ticket scraping automation framework in 6 months using TypeScript, Puppeteer, CDP, and Selenium, boosting company revenue by 35% with 10+ bot-resistant scrapers achieving a 95% success rate on major sports events.
- Engineered a Node Cluster-based task system integrated with Ticket Management Service, leveraged Postman APIs, Azure CI/CD pipelines, Elastic data processing, and Slack alerts to optimize scraping workflows.
- Led front-end C# development and created automated testing frameworks across 10+ external systems, cutting regression bugs by 50%.

Senior Test Engineer

SEEING MACHINES – Tucson, AZ

NOV 2019 – OCT 2020 (PTC OCT 2020 - AUG 2023)

- Key contributor to DSS (Gen 1/Gen 2) development on Linux Yocto OS, driving a 40% sprint efficiency boost in Agile/Scrum with JIRA, TestRail, and Jenkins, while collaborating to resolve 500+ bugs and implement 100+ system improvements.
- Managed workflows and technical ownership, analyzed system output for validation, and enhanced system effectiveness by 20% through close teamwork with Systems Engineers.
- Executed large-scale data operations using AWS S3, BOTO3, and Snowflake (COPY, SnowSQL, Snowpipe); improved log download speeds by 150% with Python automation and maintained detailed testing documentation in Jama.

Lead Systems Test Engineer

FARO TECHNOLOGIES - Lake Mary, FL

October 2020 - July 2021

- Led R&D test development by designing milestones, test plans, and cases for multiple testing types, resolving 100+ bugs in 6 months and boosting customer satisfaction by 20%.
- Performed cross-functional testing and data analysis across Azure and Snowflake, modeling real-time probe data to improve measurement accuracy by 15% and supporting insights for 5,000+ systems.
- Used Salesforce sentiment analysis to uncover inefficiencies and drive \$1M in savings; automated competitor benchmarking via Selenium and supported engineering design with UML diagrams.

Website Manager / Website Development Intern

BRASS LIGHT GALLERY – Milwaukee, WI

September 2016 – May 2018

- Led website management for a mid-size manufacturing firm, improving usability and retention by 25% through front-end development with C#, .NET, Java SE, CSS, HTML, and REST APIs.
- Collaborated cross-functionally to resolve pricing, CRM, and database recovery issues, supporting product commercialization and improved site reliability.
- Used SQL and Power BI to track sales, monitor product changes, and deliver performance insights driving informed business decisions.

Education

MARQUETTE UNIVERSITY – Milwaukee, WI

Bachelor of Science, Majors: COMPUTER SCIENCE and DATA SCIENCE | Minor: MARKETING

- NCAA Track and Field Athlete
- Capstone Project: Crime and police relationships via Bayesian clustering analysis.
- Projects: ThunderBoard™ Sensor, Bipartite Matching Algorithm for Pilot Products

THE JOHNS HOPKINS UNIVERSITY – Baltimore, Maryland

Masters of Science, Majors: DATA SCIENCE

- Data Visualization, Neural Networks, Large Scale Database Systems, Computational Statistics, Optimization, Large Scale Data Base Systems, Stochastic Differential Equations, Statistical Models and Regression, Algorithms for Data Science
- Projects: Vulnerability Monte Carlo True Positive Ide