

Nathaniel Stokes

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PROFESSIONAL SUMMARY

Driven software developer with over 14 years of experience in programming across multiple languages and technologies, including Java, C++, C#, HTML, and VBA. Currently specializing in Python and SQL, with hands-on training through TripleTen's Data Science Bootcamp (expected completion: Jan 2024) and pursuing a Software Development degree at Brigham Young University-Idaho. Strong foundation in logical problem-solving, data analysis, and technical troubleshooting, with a passion for applying programming skills to real-world software development and data science projects. Seeking to transition a lifelong hobby into a successful career in tech.

TECHNICAL SKILLS

- **Programming Languages:**
 - Python (2024–Present)
 - SQL (2024–Present)
 - VBA (2021)
 - C# (2012–Present)
 - C++ (2012–Present)
 - HTML (2011–Present)
 - Java (2010–Present)
 - **Tools & Frameworks:** Pandas, NumPy, Scikit-learn, Matplotlib, SciPy, Tkinter (GUI), Jupyter Notebooks
 - **Software:** Microsoft Office Suite (Word, Excel, PowerPoint)
 - **Databases:** SQL, MySQL
 - **Hardware:** Computer construction, repair, troubleshooting (Built personal Computers since age 11)
 - **Other:** Quick learner, analytical thinking, debugging, problem-solving, customer support
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EDUCATION

- **Brigham Young University-Idaho (Remote)**
Current Student — Major: Software Development
GPA: 4.0 | Sept 2024 – Present
 - **TripleTen Software Development Bootcamp (Remote)**
Bootcamp Participant — July 2024 – Present (Expected completion: Jan 2025)
Gaining hands-on experience with Python, SQL, data structures, object-oriented programming, and software development fundamentals. Completing practical projects in Python scripting, database management, and software design.
 - **Crowder College & Ozark Technical Community College**
Completed coursework in Psychology and General Studies — 2016
 - **Camdenton High School**
High School Diploma — May 2012
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WORK EXPERIENCE

La-Z-Boy, Neosho, MO

Upholstery Technician — Jan 2024 – Jul 2024

- Assembled and upholstered furniture pieces, ensuring attention to detail and adherence to production guidelines.
- Worked in a fast-paced environment with a focus on quality control and maintaining production standards.
- Gained experience in working under tight deadlines, managing time effectively, and collaborating in a team-oriented environment.
- Developed hands-on problem-solving skills, learning to troubleshoot and adapt to evolving production requirements.

Sean Crider State Farm, Pineville, MO

Insurance Producer — Jun 2021 – Jan 2024

- Sold and managed insurance products, ensuring customer needs were met through tailored policies.
- Troubleshoot and resolved technical issues with customer data and CRM systems, improving workflow and efficiency.
- Developed strong communication and interpersonal skills by assisting clients with their queries and concerns.

LS Grips, Neosho, MO**Shop Technician** — *Mar 2019 – Jun 2021*

- Conducted technical repairs and maintenance for grip equipment used in his gun grip manufacturing business.
- Assisted in inventory management and troubleshooting mechanical systems, ensuring that all equipment functioned optimally.

Walmart, Pineville, MO**Wireless Sales Associate** — *Apr 2016 – Jun 2019*

- Provided customer support and troubleshooting for mobile phones and wireless plans.
- Assisted customers in solving technical issues, including software and hardware problems with mobile devices and computers.

Photo Lab Associate — *Jun 2018 – Jun 2019*

- Processed photo orders and assisted customers with print and digital photo solutions.
- Provided basic technical support for photo lab software and equipment.

Braum's, Springfield, MO**Cook** — *Feb 2013 – Sep 2013***Sonic, Camdenton, MO****Cook** — *Oct 2013 – May 2014***Carhop** — *Jul 2012 – Oct 2012*

Projects

Data Science & Machine Learning Projects*GitHub:* github.com/Nathaniel-Stokes35

- **Customer Churn Prediction Model**

Tools: Python, scikit-learn, pandas, AUC-ROC, F1 score

Developed a predictive model for Beta Bank to predict customer churn based on historical behavior. Evaluated model performance with **F1 score** and **AUC-ROC**, achieving a high level of accuracy for retention strategies.

- **Beta Bank Customer Churn Analysis**

Tools: Python, pandas, scikit-learn, data analysis

Conducted an in-depth analysis of customer churn data, developing a **classification model** to predict churn risk based on key customer features. Focused on maximizing model performance with **data preprocessing** and **feature engineering**.

- **Oil Well Location Optimization**

Tools: Python, Machine Learning, Bootstrapping

Built a model to predict the best location for new oil wells for **OilyGiant Mining**. The project involved optimizing profit margins by analyzing parameters like **oil quality** and **reserve volume**, using **bootstrapping** for risk analysis.

- **Gold Recovery Data Preprocessing**

Tools: Python, pandas, data cleaning, time-series analysis

Cleaned and preprocessed a gold recovery dataset, handling missing features and time-series inconsistencies. Prepared the data for predictive modeling, addressing key challenges like **data quality** and missing values.

Personal Projects

- **Choose Your Own Adventure Game**

Tools: Python, Tkinter, Personal Psychology Knowledge, Storytelling

Designed and developed an interactive **text-based adventure game** that maps out a player's character class and personality (MBTI) based on their responses to a personalized aptitude test. Currently implementing additional exploration features, with future plans to expand to **space**, **pirate**, and **fantasy** story settings.

ADDITIONAL SKILLS

- **Technical Support:** Solid experience in troubleshooting both hardware and software issues for computers and mobile devices.
- **Computer Construction:** Built and upgraded personal computers for friends and family, including my current-system rig, since I was 11 years old.
- **Quick Learner:** Able to pick up new technologies quickly, with strong analytical and problem-solving abilities.
- **Customer Support:** Able to explain complex technical concepts to customers and provide solutions to their issues.

ADDITIONAL INFORMATION

- **Availability:** Open to part-time, full-time, or internship positions in software development or IT support.
- **References:** Available upon request.