Keith Nelson

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WORK EXPERIENCE

Boeing   St. Louis, MO
Software Engineer   *May 2022 - Present*

- Developed a Python script to automate data processing tasks, reducing manual workload by 30% and increasing team efficiency by 20%.
- Utilized Java and SQL to develop, enhance, and maintain APIs for a variety of applications, resulting in a 20% improvement in system response time and decreased error rates by 15%. Along with improving the frontend functionality of the application.
- Developed Python scripts to query, analyze, and clean data pulled from Elastic Search, enabling the identification of key metrics and generation of insightful reports across various platforms such as Excel and PowerPoint, ultimately improving productivity by 30%.
- Created production automation GUIs with Python and web apps with the Knockout.js framework to improve the Front-End of web apps and increase the efficiency of tasks by 30%.

Alabama Literacy Council   Birmingham, Al
Database Intern   *Jun 2019 - Aug 2019*

- Developed and maintained a member database: Leveraged SQL and PHP to optimize data tracking, enhance program evaluation, and identify key metrics for improving literacy initiatives.

B.A.R. Birmingham Association of Realtors   Birmingham, Al
PR Intern   *Feb 2018 - May 2018*

- Supported the Communication Department: Created and managed media content (flyers, social media posts), designed promotional materials, and edited videos.
- Utilized proficiency in Microsoft Office suite and programming languages.

EDUCATION

Washington University in St. Louis (WashU)   St. Louis, MO
B.S. in Computer Science   *Graduation Date: May 2022*

PROJECT EXPERIENCE

Personal Projects   St. Louis, MO
Student/ Teaching Aid   *Dec 2018 - Present*

- Built a Python system using sentiment analysis and ElasticSearch to analyze real-time news, social media, stock prices, and economic data (debt/unemployment) for market insights.
- Created budgeting tools to track basic expenses and costs and researched financial products and looked at their impact on the economy.

SKILLS

Can program in HTML, PHP , CSS, Java, AI Design with Python ElasticSearch, Jenkins automation, job creation, and builds, SQL, Javascript with experience in Responsive Mobile, Front-end, and Back-end development on multiple applications and creative design. Loves using Data Science concepts.