Ac Hybl

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PROFESSIONAL SUMMARY

Computer scientist experienced with several programming languages and tools. Academic and professional projects include scripting, research with machine learning, data cleaning, and data visualization.

TECHNICAL STRENGTHS

	Languages	Tools
Comfortable	C++, Python, Java, R, SQL, JavaScript	Git, Windows, Excel, Svelte, Drupal
Familiar	Ruby on Rails, XQuery	Azure, Tableau, React, Firebase, Wix

EDUCATION

Degrees I am pursuing	**Information about all degrees**
Master of Science in Computer Science, Data Analytics certificate	*Aug. 2019 - May 2024*
Bachelor of Science in Computer Science	Southern Adventist University
Minors in Physics and Mathematics	Overall GPA: 4.00

WORK EXPERIENCE

Workflow Automation Engineer *May 2022 - Present*
FTD Solutions

- Collaborated with a software development team to design and build an automated workflow system.
- Designed workflows for FTD and its clients in this brand-new platform.
- Wrote **Python** script to transfer company forms from **JSON** to **XML**: github.com/MatousAc/orbify

Physics Intern *Jan. 2022*
Oak Ridge National Laboratory Oak Ridge, TN

- Diagnosed and monitored an ultra-high vacuum particle beamline.
- Set up a procedure for gold plating sensitive piping in beamline.

Web Development Intern *May - Aug. 2020*
It Is Written Inc. Collegedale, TN

- Created website for kids, buriedtreasure.fun, using **Drupal 8**.
- Designed, implemented, and integrated features for itiswritten.tv in **Ruby on Rails**.

PROJECTS

Azure AutoML Student Attendance and Seat Choice research *Oct. 2022 - Feb. 2023*

Conducted research with machine learning algorithms in Azure: achybl.com/AzureAutoML.pdf

Interactive Worldwide Earthquake Visualization with Open Data *Jan. - May 2022*

Cleaned, visualized, and presented seismic data using **Tableau** and **Tableau Prep**: matousac.github.io

Cartesian Problems *Oct. - Nov. 2022*

Visualized convex hull algorithms/heuristics in **Java**: github.com/MatousAc/cartesianProblems

REFERENCES

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