

# Ac Hybl

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## PROFESSIONAL SUMMARY

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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

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

## EDUCATION

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### Degrees I am pursuing:

Master of Science in Computer Science, Data Analytics certificate

Bachelor of Science in Computer Science

Minors in Physics and Mathematics

### Information about all degrees:

*Aug. 2019 - May 2024*

Southern Adventist University

Overall GPA: 4.00

## WORK EXPERIENCE

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### 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](https://github.com/MatousAc/orbify)

### Computer Science Tutor/Lab Operator

*Aug. 2020 - Dec. 2022*

*Southern Adventist University*

Collegedale, TN

- Helped students with their **Microsoft Office** and **HTML5** homework.
- Tutored students in procedural programming and basic algorithms using **Java**.

### Physics Intern

*Jan. 2022*

*Oak Ridge National Laboratory*

Oak Ridge, TN

- Diagnosed and monitored an ultra-high vacuum particle beamline.

### Web Development Intern

*May - Aug. 2020*

*It Is Written Inc.*

Collegedale, TN

- Created website for kids, [buriedtreasure.fun](https://buriedtreasure.fun), using **Drupal 8**.
- Designed, implemented, and integrated features for [itiswritten.tv](https://itiswritten.tv) in **Ruby on Rails**.

## PROJECTS

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### Azure AutoML Student Attendance and Seat Choice research

*Oct. 2022 - Feb. 2023*

Conducted research with machine learning algorithms in Azure: [achybl.com/AzureAutoML.pdf](https://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](https://matousac.github.io)

## REFERENCES

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**Josh Best**

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FTD Solutions  
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