

# 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, React, Firebase, WiX

## EDUCATION

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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

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<b>Workflow Automation Engineer</b> <i>FTD Solutions</i>	<i>May 2022 - Present</i>
<ul style="list-style-type: none"><li>Collaborated with a software development team to design and build an automated workflow system.</li><li>Designed workflows for FTD and its clients in this brand-new platform.</li><li>Wrote <b>Python</b> script to transfer company forms from <b>JSON</b> to <b>XML</b>: <a href="https://github.com/MatousAc/orbify">github.com/MatousAc/orbify</a></li></ul>	
<b>Computer Science Tutor/Lab Operator</b> <i>Southern Adventist University</i>	<i>Aug. 2020 - Dec. 2022</i> Collegedale, TN
<ul style="list-style-type: none"><li>Helped students with their <b>Microsoft Office</b> and <b>HTML5</b> homework.</li><li>Tutored students in procedural programming and basic algorithms using <b>Java</b>.</li></ul>	
<b>Web Development Intern</b> <i>It Is Written Inc.</i>	<i>May - Aug. 2020</i> Collegedale, TN
<ul style="list-style-type: none"><li>Created website for kids, <a href="https://buriedtreasure.fun">buriedtreasure.fun</a>, using <b>Drupal 8</b>.</li><li>Designed, implemented, and integrated features for <a href="https://itiswritten.tv">itiswritten.tv</a> in <b>Ruby on Rails</b>.</li></ul>	

## PROJECTS

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<b>Azure AutoML Student Attendance and Seat Choice research</b>	<i>Oct. 2022 - Feb. 2023</i>
Conducted research with machine learning algorithms in Azure: <a href="https://achybl.com/AzureAutoML.pdf">achybl.com/AzureAutoML.pdf</a>	
<b>Interactive Worldwide Earthquake Visualization with Open Data</b>	<i>Jan. - May 2022</i>
Cleaned, visualized, and presented seismic data using <b>Tableau</b> and <b>Tableau Prep</b> : <a href="https://matousac.github.io">matousac.github.io</a>	
<b>Cartesian Problems</b>	<i>Oct. - Nov. 2022</i>
Visualized convex hull algorithms/heuristics in <b>Java</b> : <a href="https://github.com/MatousAc/cartesianProblems">github.com/MatousAc/cartesianProblems</a>	

## REFERENCES

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