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phantomsection addcontentslinetocsectionSummary largeSummary coloraccentLine — vspace-7pt beginitemize[itemsep= 2px, parsep=1pt, leftmargin=30pt] item Software Engineer with expertise in automation, data pipelines, and machine learning systems development. item Experienced in building scalable software solutions, integrating APIs, and developing cross-platform automation tools. item Skilled in full-stack development and DevOps practices, improving system efficiency by 99.5% through optimization and automation. endresume$_l$ist

1 Skills

Programming Languages	Python, C#, C, Golang, MATLAB, Mathematica
Automation Tools	PowerShell, Microsoft Office API integration, workflow automation
Data Engineering	NumPy, SciPy, pandas, PyTorch, data pipeline development
APIs & Integration	REST APIs, data workflows, cross-platform integration
Development Tools	Git, Linux systems, open source development
Machine Learning	PyTorch, tinygrad, GANs, decision trees, statistical analysis
Systems	Linux, Gentoo, OpenBSD, Fedora
Soft Skills	Cross-functional collaboration, technical communication, systems thinking

2 Experience

heading**ST Engineering**Jan 2024 – Present heading*Software Engineer (Automation, Data Integration)* beginresume$_l$ist item $Developed C\#/Powershell automation suite integrating with Microsoft Word/Excel/PowerPoint APIs$ $driven efficiency improvements. item Led technical integration discussions with cross-functional teams (mechanical, electric$

heading**Advanced Micro Devices ("AMD")**Jan 2023 – May 2023 heading*Software Developer and Data Engineering Intern* beginresume$_l$ist item $Built Python-based data processing pipelines integrating PyANSYS simulations with$ $hours within 2 months through automated data pipeline development. item Created standardized data processing workflows using$ $driven solutions. endresume$_l$ist

3 Education

heading**Nanyang Technological University, Singapore** heading*Aerospace Engineering* heading*Specialisation in Computational Methods, Honours (Highest Distinction), Accelerated Bachelor's*

4 Software Projects

heading**Automation and Data Processing Systems**Jan 2024 – Present beginresume$_l$ist item $Developed Mathematica applica$

heading**Open Source Data Engineering**Jan 2023 – Dec 2023 beginresume$_l$ist item $Built parametric data processing mode$

5 Technical Competencies

beginresume$_l$ist item**Software Development:** $Full-stack development, API design, database integration, object-oriented programming$ item**Automation Systems:** $Workflow automation, scheduled task management, cross-platform integration$ item**Data Engineering:** $ETL pipelines, data transformation, real-time data processing, data visualizat$