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Languages

	Python	●	●	●	●	●
	SQL	●	●	●	●	●
	Shell	●	●	●	●	●
	HTML/CSS/JS	●	●	●	●	●
	C#	●	●	●	●	●
	C/C++	●	●	●	●	●

Frameworks

	AWS
	Terraform
	Databricks
	React
	.NET Core
	MS SQL Server
	MongoDB
	Docker

Education



BS. Mechanical Engineering

Awarded 2016

Minor in Mathematics, Minor in Physics, Research in vertical axis wind turbine development with field work.



BSID. Mathematical Physics

Awarded 2019

Research in plasma physics with presentation at APS convention, Research in climate change / atmospheric physics sensors development and testing with pending research paper publication.



Computer Science Post-Baccalaureate

Awarded 2020

Have completed a post-bacc program with a 4.0 GPA, having taken all essential data structures and fundamentals courses along with all upper division courses. Concurrently was an IT volunteer contributing to a live Laravel application on a back-end web development team.



MS. Computer Science

Currently Studying

Currently maintaining a 4.0 GPA, with a focus on DevOps & Data Engineering.

Experience



Data Engineer

Data Engineering and Analytics

Developed and maintained ETL pipelines for analytics reporting in Databricks as an admin. Managed several aspects of our Databricks workspace and provisioned requisite cloud assets.



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Frontend Engineer

DevOps and UI/UX

Developed and maintained ETL pipelines for analytics reporting in Databricks as an admin. Managed several aspects of our Databricks workspace and provisioned requisite cloud assets.



Associate Database Automation Engineer

DevOps and Data Engineering

Member of the Data Architecture team headquartered in Portland, OR. Developed automations for data pipelines at enterprise scale, and DevOps solutions in a fluid stack. Databricks admin for 7 separate workspaces.



Data Architecture Intern

DevOps & Data Engineering

Worked with a large and dynamic automation and CI/CD stack in service of data aggregation and visualization. Contributed to and developed DevOps solutions.



Data Software Engineering Intern

Data Engineering & Architecture

Developed a data retrieval and analysis virtual instrument for core-stage rocket engine test data pipeline, and demonstrated software tooling and deployment for security standards by QC Engineer panel at NASA; Stennis Space Center.



Full Stack Software Engineering Intern

Software Engineering

Completed a software engineering internship term at NASA; Stennis Space Center for the summer of 2020, where I solo-developed a full stack application that manages a COTS software inventory, and shadowed an agile development team.

Certifications



Mechanical Engineering E.I.T.

FEA Exam

NCEES FEA exam to be certified as a Mechanical Engineer I.T.