


















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Languages

 Python ● ● ● ● ●
 C# ● ● ● ● ●
 HTML/CSS/JS ● ● ● ● ●
 SQL ● ● ● ● ●
 C/C++ ● ● ● ● ●
 Bash ● ● ● ● ●
 MatLab ● ● ● ● ●

Frameworks

 AWS
 Terraform
 Databricks
 React
 ASP.NET / Entity Framework
 MS SQL Server
 MongoDB
 Docker

Education

Awarded
2016

BS. Mechanical Engineering

UAA

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

Awarded
2019

BSID. Mathematical Physics

UAA / PSU

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

Awarded
2020

Computer Science Post-Baccalaureate

PSU

Have completed a post-bacc program with a 4.0 GPA, having taken all essential data structures and fundamentals courses, as well as all required upper division courses. Concurrently was an IT volunteer, and learning/contributing in a back-end web development team on a live Laravel application. Was concurrently enrolled in *Treehouse* for software engineering courses.

Currently
Studying

MS. Computer Science

PSU

Currently maintaining a 4.0 GPA.

Experience



Associate Database Automation Engineer

DevOps and Data Systems Engineering

Member of the Data Architecture team headquartered in Portland, OR. Developing automations for data pipelines at enterprise scale, and DevOps solutions in a fluid stack.



Data Architecture Intern

DevOps and Data Systems 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 Systems Software Engineering

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.



Computer Action Team

Information Technology

A student and faculty-led IT organization involving weekly IT training, IT support desk shifts, and collaborative work across teams. Also worked in a full-stack web development team responsible for internal tools/applications.



Arduino Workshop Instructor

STEM Education

Instructed introductory Arduino labs/workshops for the PSU student physics society.



Sensors Developer

Computer Systems Engineering, Data Science

Designed and tested atmospheric sensors and experimental procedures to develop a low-cost CO2 measurement system for climate change research with the PSU physics department. Also in charge of Data collection and analysis.



Field Work Researcher

Mechanical Engineering

Worked on a grant-funded vertical-axis wind R&D project. Flown to remote Alaskan villages to work on design, electrical and mechanical components of wind energy systems and small grid mechanics.



Adjunct Math Instructor

STEM Education

Worked as an adjunct professor of mathematics at the University of Alaska Anchorage.

March 22, 2022

Authored in LaTeX by Isaac Yep