

Skills

- Software Development: [Java Programming](#), [C# Development](#), [Object-Oriented Design](#), [Software Engineering](#), [System Design](#), [API Development](#), [Web Applications](#)
- Software Development Lifecycle: [Requirements Analysis](#), [Design Documentation](#), [Software Development](#), [Testing & Quality Assurance](#), [System Integration](#), [Technical Documentation](#)
- Testing & Quality Assurance: [Test Planning](#), [Test Procedures](#), [Software Testing](#), [Quality Assurance](#), [System Validation](#), [Performance Testing](#), [Integration Testing](#)
- Programming Languages: [Java](#), [C#](#), [Python](#), [JavaScript](#), [TypeScript](#), [C](#), [HTML](#), [CSS](#)
- Database & Data Management: [SQL](#), [Database Systems](#), [Data Analysis](#), [Database Integration](#), [Web Services](#)
- Development Tools: [Git](#), [GitHub](#), [VS Code](#), [IntelliJ IDEA](#), [Docker](#), [Postman](#), [Pytest](#)
- Aviation & Aerospace: [Aircraft Weight & Balance](#), [Turbine Aircraft Operations](#), [Flight Management Systems](#), [Aviation Operations](#), [Center of Gravity Calculations](#)
- Military & Security: [Security Systems](#), [Access Control](#), [System Integration](#), [Security Protocols](#), [Military Aircraft](#), [Security Operations](#)
- Professional Skills: [Agile Methodologies](#), [Team Collaboration](#), [Customer Collaboration](#), [Technical Communication](#), [Problem Solving](#), [Leadership](#), [Project Management](#)

Certifications

- In Progress

 - AWS Cloud Practitioner
In Progress
 - CompTIA Security+
In Progress
 - CompTIA A+
In Progress
- Healthcare & Safety

 - CPR/AED
American Red Cross - Feb 2024 - Feb 2026
 - Pharmacy Technician License
Indiana Board of Pharmacy - Jul 2021
- Aviation

 - Commercial Pilot Certificate
FAA - May 2019
 - Instrument Rating
FAA - Nov 2018
 - Complex Aircraft Endorsement
FAA - Jul 2017
 - Private Pilot Certificate
FAA - Oct 2015
- Fitness & Training

 - ACE CPT Certification
Aug 2016
 - USAW Level 1
Aug 2015
 - CrossFit Level 1
Dec 2015

Languages

- English - Native
- Spanish - Native

Professional Summary

Computer Science student with specialized experience in [software development](#), [system testing](#), and [quality assurance](#), combined with extensive aviation background from Purdue University's Professional Flight program. Proven track record in [full software development lifecycle](#) including requirements analysis, design documentation, development, and comprehensive testing. Experienced in [Java programming](#), [database systems](#), and [web application development](#) with strong foundation in [object-oriented design](#) and [software engineering principles](#). Demonstrated ability to handle [complex system integration](#), [API development](#), and [technical documentation](#) for enterprise solutions. Unique combination of [aviation operations knowledge](#) including aircraft weight and balance calculations, turbine aircraft operations, and flight management systems, with [software engineering expertise](#). Seeking opportunities in Software Engineering roles where I can leverage my technical skills and aviation domain knowledge to contribute to aerospace software solutions, particularly in weight and balance systems and flight operations software.

This resume was personally crafted using an HTML/CSS formatting framework to ensure a modern and professional presentation. I invite you to visit my online portfolio to explore my projects and technical capabilities in detail.

View Portfolio

Education

- Bachelor of Science in Computer Science, Minor in Data Science

Westminster University, Salt Lake City, UT | Aug 2023 - May 2026 (Expected Graduation Date)

Academic Excellence: [3.6 GPA](#) | [Dean's List](#)

 - Relevant Coursework: Functional Programming, Database Systems, Software Engineering, Data Structures & Algorithms, Computer Systems & Programming, Operating Systems, Artificial Intelligence, Statistical Modeling, Statistical Analysis
 - Computer Science & Data Science Tutor
 - Supplemental Instructor for CMPT 215 (Introduction to Computer Science)
- Bachelor of Science in Aviation Management

Purdue University, West Lafayette, IN | Aug 2015 - May 2020

 - Relevant Coursework: Aerospace Vehicle Systems Design, Analysis And Operations, Turbine Flight Operations Lecture, Large Aircraft Systems, Aerospace Vehicle Propulsion And Tracking Systems, Advanced Transport Flight Operations, Turbine Aircraft Simulation Lab, Transport Aircraft Simulation Laboratory, Aviation Operations Management, Human Factors For Flight Crews, Aviation Command Leadership, Private Pilot Lecture, Private Pilot Flight, Commercial Pilot Lecture, Commercial Pilot Flight, Instrument Pilot Lecture, Instrument Pilot Flight

Technical Experience

- IT Intern

EnableCV - Midvale, UT | 2024 - Present

 - Designing and implementing [software solutions](#) with [full software development lifecycle](#) involvement including [requirements analysis](#), [design documentation](#), [software development](#), and [comprehensive testing](#)
 - Developing [web applications](#) using [JavaScript](#), [HTML5](#), and [CSS3](#) with [object-oriented design](#) principles and [responsive design](#) for cross-platform compatibility
 - Creating comprehensive [test plans](#) and [test procedures](#) for [software applications](#), implementing [quality assurance](#) methodologies and [system validation](#) processes
 - Managing [API development](#) and [system integration](#) between multiple services, ensuring [database integration](#) and [web services](#) functionality
 - Implementing [security protocols](#) and [access control](#) systems, maintaining [system reliability](#) and [data integrity](#) for enterprise solutions
 - Conducting [performance testing](#) and [integration testing](#) to ensure [software quality](#) and [system reliability](#)
 - Creating comprehensive [technical documentation](#) including [API specifications](#), [integration maps](#), and [user training](#) materials
 - Collaborating with [customers](#) and [stakeholders](#) to gather [software requirements](#) and ensure [customer satisfaction](#) with delivered solutions
 - Utilizing [agile methodologies](#) and [team collaboration](#) to coordinate [integrated testing activities](#) with software engineers and management
 - Developing [database systems](#) and [SQL queries](#) for complex business logic, implementing [data analysis](#) and [reporting solutions](#)
- Computer Science & Data Science Tutor

Westminster University - Salt Lake City, UT | 2023 - Present

 - Provide technical support and [troubleshooting](#) for hardware and software issues
 - Assist students with [data analysis](#) projects using Python, R, and statistical modeling techniques
 - Guide students in creating [data visualizations](#) and interactive dashboards for academic projects
 - Support [database design](#) and SQL query optimization for student projects
 - Implement [security protocols](#) and maintain system integrity
- Supplemental Instructor

Westminster University - Salt Lake City, UT | 2023 - Present

 - Lead technical workshops on [data visualization](#) and [analytics](#) tools including Python libraries and statistical software
 - Develop and maintain [documentation](#) for technical procedures and best practices
 - Implement and [troubleshoot](#) various software platforms and tools
 - Monitor system [performance](#) and resolve technical issues
 - Provide training on [data analysis](#) techniques and [statistical modeling](#) for students and faculty
- Inpatient Hospital Pharmacy Technician

Indiana University Health - Indianapolis, IN | 2022 - 2023

 - Managed and maintained complex healthcare information systems
 - Implemented system improvements and [security protocols](#)
 - Provided technical support and training for system users
 - [Documented](#) procedures and maintained accurate system records
 - Collaborated with IT teams to ensure system reliability and [security](#)

Military Experience

- Tactical Response Force Flight Chief

United States Air Force | 2012 - 2015

 - Led and coordinated complex [security operations](#), demonstrating strong leadership and decision-making abilities
 - Managed critical [information systems](#) and [security protocols](#), ensuring data integrity and system reliability
 - Developed and implemented [standard operating procedures](#) for security operations and emergency response
 - Conducted regular [system audits](#) and [security assessments](#) to maintain operational readiness
 - Trained and mentored team members in [security protocols](#) and [technical procedures](#)
 - Translated complex [security protocols](#) and [technical procedures](#) into clear, actionable instructions for diverse team members
 - Demonstrated exceptional attention to detail in [security assessments](#), [documentation](#), and [compliance reporting](#)
- Flight Security Controller

United States Air Force | 2011 - 2012

 - Monitored and maintained [security systems](#) and [access control databases](#)
 - Coordinated with multiple departments to ensure [system integration](#) and data accuracy
 - Implemented [security protocols](#) and maintained detailed [documentation](#) of procedures
 - Conducted regular [system maintenance](#) and [troubleshooting](#) of security equipment
 - Managed [access control systems](#) and user permissions

Projects

- Software Development & Testing Platform: Comprehensive [software development](#) project demonstrating [full software development lifecycle](#) including [requirements analysis](#), [design documentation](#), [software development](#), and [comprehensive testing](#). Developed [web applications](#) using [JavaScript](#), [HTML5](#), and [CSS3](#) with [object-oriented design](#) principles. Implemented [test plans](#) and [test procedures](#) for [software applications](#), ensuring [quality assurance](#) and [system validation](#). Created comprehensive [technical documentation](#) and [user training](#) materials. Built with modern [web technologies](#) and [database systems](#).

View Project Portfolio
- Database Integration & Web Services Platform: Enterprise solution demonstrating [database integration](#) and [web services](#) development. Implemented [API development](#) and [system integration](#) between multiple services. Developed [SQL queries](#) for complex business logic and [data analysis](#). Created [automated reports](#) and [interactive dashboards](#) with [performance testing](#) and [integration testing](#). Built with [database systems](#), [web services](#), and advanced [data modeling](#) techniques.

View Project Portfolio
- Mathsprout: Interactive [web application](#) for tracking student progress. Demonstrated strong technical [problem-solving](#) skills through [system design](#) and implementation. Created comprehensive [technical documentation](#) and user guides. Implemented secure user [authentication](#) and [data management systems](#). Built with modern [web technologies](#) including [HTML5](#), [CSS3](#), and [JavaScript](#).
- Weather App: Full stack [web application](#) providing real-time weather data. Showcased ability to work with [complex systems](#) and [API development](#). Implemented robust error handling and [system monitoring](#). Created detailed [technical documentation](#) and user guides. Developed with focus on [system reliability](#) and [performance optimization](#).

Additional Information

- Military Achievements

 - USAF Commendation Medal, Good Conduct Medal, Humanitarian Medal
 - NCO Academy Graduate, Airman Leadership School Graduate
 - Global Strike Command [Assaulter School](#) Graduate, Global Strike Command Winter Warrior Graduate
 - Global Strike Command [Nuclear Integration Course](#) for Leaders Graduate
- Athletic Achievements

 - USAW University Nationals Competitor (2017-2019)
 - USAW American Open Series Competitor (2021-2023)

References

- Academic Advisors

Kathryn Lenth, Ph.D

Associate Professor, Computer Science

Academic Advisor

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Jingsai Liang, Ph.D

Department Chair, Data Science

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- Direct Supervisors

Traci Siriprathane, MS

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- Professional References

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