

# RYAN HOVESKELAND

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Data and Technology Professional

Jamestown, ND



## SUMMARY

Consistent learner with great attention to detail and a diverse background, including a 6+ year track record of increasingly complex data-related projects. Adaptable and detail oriented, with proven experience adhering to strict corporate data security and quality standards as defined by engineering documents and the FAA. Personable and professional with a strong ability to work in a team environment as well as autonomously when required.

## EDUCATION

### Southern New Hampshire University

Bachelor's of Science in Computer Science  
2024 - Q1 2026  
GPA: 4.0

### Western Washington University

Bachelor's of Arts in Chinese Language  
and East Asian Studies  
2014-2018  
GPA: 3.68

## BACKGROUND

- 4+ years of database design and implementation (SQL, SQLite, MySQL)
- Excellent communication skills and consideration for UX.
- 10 years of data processing using Python and VBA (Pandas, OpenpyXL, NumPy)
- Detail-oriented and able to handle multiple tasks simultaneously
- 4+ years of API interaction and access with Python (win32com, SAPGUI, etc.)
- Clear and thorough documentation and code readability
- Knowledge of QMS design and quality assurance principles

## CERTIFICATIONS

- Harvard CS50x
- Google Data Analytics Professional Certification

## MISCELLANEOUS EXPERIENCE

- Audio Transcription - 2025
- Speech Annotation - 2024
- KKWriting and Editing (business) - 2022-2023
- WWU CSA Vice President - 2018
- WWU CLC President - 2018
- WWU CSA Budget Authority - 2017
- BLCU Student (Beijing) - 2016

## PROFESSIONAL EXPERIENCE

### Staff Tech, Quality

Collins Aerospace | 2024 - Present

- Develop a QMS schema for implementation in a manufacturing environment.
- Use databases to track connections between documents and processes throughout the Quality department.
- Develop desktop applications to simplify workflows and reduce cycle time of quality operations.
- Implement technological solutions to problems while complying with data confidentiality restrictions and strict limitations on tool availability.

### Assembly Inspector I

Collins Aerospace | February - November 2024

- Perform inspection on assembled airplane cargo components.
- Review engineering specifications and drawings to ensure proper configuration and build-quality.
- Handle ITAR and proprietary restricted documents.
- Perform precision inspection on castings using a 3D scanner and produce a suite of optimization tools using shell scripting, VBA and Python.
- Maintain data integrity while modifying and distributing files across different systems.

### Assembler (777 Final Assembly)

Boeing | 2023 - 2024

- Work on a team to assemble and install 777 freighter components.
- Build and clean aircraft components while adhering to Boeing quality specifications.
- Perform installations per Boeing engineering drawings and specifications.
- Maintain certifications in all skills required for daily duties.

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## AWARDS & ACHIEVEMENTS

- SNHU President's List Summer and Fall 2024
- Confucius Institute Chinese Language Scholarship
- Google Data Analytics Professional Certificate with honors

## TECHNICAL SKILLS

- Data access and analysis using Python, VBA, C, C++ and Java.
- Power-user level with MS Excel and Google Drive suite.
- Developing functional programs with minimal dependencies.
- Designing clear and thorough documentation.
- OOP design philosophy.
- TDD approach to development.
- UX-focused design.
- Usage of many different IDE's and text editors.
- HTML and CSS
- Source control using Git and Subversion.
- System design using Polarion.
- Advanced shell scripting.
- Advanced usage of Windows, Linux and MacOS.

## PROJECTS

Descriptions of work projects are vague to avoid sharing potentially sensitive company information.

### Daily Chapter

A Python project that takes in public domain epub files and sends out a chapter of a chosen book to subscribers daily. This project uses SQLite, Python, HTML, CSS and a connection to the Gmail API; version control is managed by Git and the repository is hosted on Github.

- Inputs:** Epub file from Project Gutenberg
- Outputs:** A formatted HTML email containing relevant chapter data, including text content and book title.

### Simplified SAP GUI

Originally developed as a training tool for new inspectors, this project uses the win32com.client API to connect with SAP and retrieve quality rejection tag details in a format that's easy to read and usable as a template for similar rejection conditions.

This is maintained as a functional prototype in VBA and a fully implemented program in Python using TKinter for all GUI elements.

Features a fuzzy-searchable dropdown menu of defect codes and support for multiple kinds of search terms.

Search result entries can be selected individually for download through a scrollable table.

- Inputs:** Search terms, date range
- Outputs:** Search result CSV, text file of parsed rejection tag

### Database Cleaner

Queries a database of orders marked as held for inspection, and checks their current location in-plant using SAP. This allows users to remove all orders which have moved past quality from the database and get more accurate metrics on material flow. Allows users to choose a save location and file name for modified output, as well as an option to select an input CSV or .xlsx file. Connects the database to Excel with sqlite3.

- Inputs:** Database query
- Outputs:** Spreadsheet with modified DB output

## PROFESSIONAL EXPERIENCE CONTD.

### English for Science, Math, and Technology Instructor

Khon Kaen Wittayayon School | 2018 - 2023

- Create and distribute appropriate curriculum.
- Ensure students receive necessary instruction and participate in class activities while working around inconsistent schedules.
- Maintain student records, assignment status, and grades while maintaining confidentiality.
- Develop grading and homework systems to enable myself and fellow teachers to focus on quality of classroom time.

### Manager Trainee

Great Floors | April - October 2018

- Track personal sales data in Excel.
- Use proprietary software to query inventory and get pricing information to bid on work.
- Thoroughly understand and implement corporate policy.
- Maintain detailed knowledge of all product in-store and study new products/industry techniques and trends.