# RYAN **HOVESKELAND**

Data and Technology Professional

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## SUMMARY

Consistent learner with diverse background and 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. Able to apply problem solving techniques to unfamiliar subject matter and produce a desirable result for external stakeholders and end users. Primarily experienced in Python development, with a well-rounded skill set in multiple other technologies.

## EDUCATION

**Southern New Hampshire University**

Bachelor's of Science in Computer Science
**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

## PROFESSIONAL EXPERIENCE

**Quality Analyst (Staff Tech IV)**

Collins Aerospace | November 2024 - Present

- Develop a QMS schema for implementation in a manufacturing environment.
- Perform document review and ensure compliance between all quality-related documents.
- 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 proprietarily 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.*

## 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.

### 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

### Gradebook Maker

Python program which uses EZSheets to generate a network of Google Sheets workbooks from certain template files and a file containing class roster data. Automatically grades students based on Google Forms submissions and manually inputs attendance. Changes applied to Google Sheets using Google Drive API, optimized to send changes in batches to minimize request time. Holds student data in a SQLite database and displays class rosters/grades to users based on their registered permissions, secured by hashed username and password. Displays data through HTML hosted using Python and Flask. The web app can be used to output grades to the correct format for the school's official use.

**Inputs:** Google Forms assignments, class roster data sheet (provided by the school)
**Outputs:** Google Sheets workbook with dynamic grades, printable grade sheets that comply with Thai educational requirements.