THOMAS WILLIAM HESSE

15 Forest Ave Apt 2, Natick, MA 01760
(508) 397-5677
t.hesse1@outlook.com

EDUCATION

University of Massachusetts Amherst, Amherst, MA   Expected Graduation: Spring 2025
Master of Data Analytics & Computational Social Science   GPA: 4.0/4.0
Westfield State University, Westfield, MA   May 2020
Bachelor of Science in Criminal Justice   GPA: 3.76/4.0

SKILLS

Programming Languages: SQL, Python, R
Soft Skills: Communication (Verbal & Written), Critical Thinking, Problem Solving, Negotiation

HONORS

Summa Cum Laude
Phi Kappa Phi National Honor Society

GLOBAL EXPERIENCE

Edge Hill University in Ormskirk, United Kingdom   Spring 2019

RELEVANT COURSEWORK

Data Science Fundamentals	Elementary Statistics
Introduction to Quantitative Analysis	Introduction to Computer Programming

EMPLOYMENT

Senior Data Analytic Fraud Examiner, Commonwealth of Massachusetts, Office of the State Auditor,
Bureau of Special Investigations, Chicopee, MA | 37.5 hours per week   12/2023–Present

- Lead independent and collaborative data analysis projects to identify possible fraud
- Write complex code to analyze large data sets of healthcare claims and public benefit expenditures
- Apply technical methods to help achieve business goals using industry knowledge
- Visualize data using Tableau, RStudio and Excel
- Communicate complex analytical insights to both technical and non-technical audiences.

Data Analytic Fraud Examiner, Commonwealth of Massachusetts, Office of the State Auditor, Bureau of
Special Investigations, Chicopee, MA | 37.5 hours per week   02/2023–12/2023

- Research laws and regulations, query and analyze data using Transact-Structured Query Language (T-SQL) programming and Excel in quasi-law enforcement setting.
- Visualize data using Tableau, RStudio, and Excel.
- Communicate analytical insights to both technical and non-technical audiences.

Fraud Examiner, Commonwealth of Massachusetts, Office of the State Auditor, Bureau of Special
Investigations, Chicopee, MA | 37.5 hours per week   04/2021–02/2023

- Investigated allegations of public benefit fraud
- Gathered, analyzed, evaluated, and compiled evidence for use in fraud investigations
- Summarized findings in detailed, official reports submitted to the unit's management