|  |  |  |
| --- | --- | --- |
| Academic portfolio – Executive Summary | | |
|  | | |
| Program: | IT-Data Analytics Specialist | Gunnar Forcier |
| Start Semester: | [Fall 2022] |  |
| Graduation Semester: | [Spring 2024] |  |
|  |  |  |

# First Semester

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Course** | **Course Takeaways** | **Artifacts: Files & Images** |
|  | **Intro to Computers & Programming** | * Understanding of computer basics * Debugging skills * Programming fundamentals |  |
|  | **Database 1** | * SQLite studio is a great learning tool * Relational database flows are essential * Backup your database! |  |
|  | **Systems Analysis & Design** | * IT is always evolving * Plan, develop, and maintain information systems * cost-scope-time are key elements of projects |  |

## Additional Comments

Other Courses: Microsoft Excel, Project Management

# Second Semester

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Course** | **Course Takeaways** | **Artifacts: Files & Images** |
|  | **Database 2** | * Relational database modeling * SQL Queries * Database design |  |
|  | **BI Data 1 - Paginated** | * Report builder * Microsoft Access databases * Making readable and good looking reports |  |
|  | **Programming Fundamentals** | * Intro to HTML & JavaScript * Understanding operators * Understanding Loops & Arrays |  |

## Additional Comments

Other Courses: Business Analytics, Oral/Interpersonal Communication

# Third Semester

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Course** | **Course Takeaways** | **Artifacts: Files & Images** |
|  | **Introductory ETL** | * Power Query in Excel * Alteryx Workflows * Loading into databases |  |
|  | **Python Data Programming** | * Leave notes while programming * Mastery of basic syntax * Use functions to make code modular |  |
|  | **BI Data 2 - Interactive** | * Data loading & transformation into Power BI * Use KPIs to emphasize data * Create compelling reports with various/interactive charts |  |

## Additional Comments

Other Courses: Intro to Sociology

# Fourth Semester

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Course** | **Course Takeaways** | **Artifacts: Files & Images** |
|  | **Data Security & Privacy** | * 1 * 2 * 3 | [Links] |
|  | **Machine Learning** | * 1 * 2 * 3 | [Links] |
|  | **BI Data 3 - Visualization** | * 1 * 2 * 3 | [Links] |
|  | **Data Analytics Capstone** | * 1 * 2 * 3 | [Links] |

## Additional Comments