| Software | Format | Sponsor | Description | Hours of study | Date |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
| Python | Self\_study |  | Self-study. Reproducing Master’s degree work in Python | 8 | In-progress |
| R | Self\_study |  | Self-study. Reproducing Master’s degree work in R |  | In-progress |
| STATA | Classroom&self\_study | UND | Performed Master’s degree assignments in 9 class using STATA when studying econometric techniques. STATA is a competitor to R and Python | 160 | August 2016 - May 2019 |
| Python | Lecture\_exercises | Pluralsight.com | Finding Relationships in Data with Python, Janani Ravi, Loonycorn.com, holds 4 patents, Masters EE, Microsoft, Google, Flipguard, | 2.1 |  |
| Python | Lecture\_exercises | Pluralsight.com | Interpreting Data Using Statistical Models with Python, Janani Ravi, Loonycorn.com, holds 4 patents, | 2.75 | Sept 2020 |
| Python | Lecture\_exercises | Pluralsight.com | Core python: getting started, Robert Smallshire & Austin Bingham, [www.sixty-north.com](http://www.sixty-north.com), | 4.1 | Sept 2020 |
| Python | Lecture\_exercises | Pluralsight.com | Programming Python Using an IDE, Xavier Morera, [www.xaviermorera.com](http://www.xaviermorera.com) | 2.0 | Sept 2020 |
| DataWarehousing | Lecture | Pluralsight.com | Introduction to Data Warehousing and Business Intelligence, Robert C. Cain, Microsoft Data Platform MVP, [www.arcanecode.com](http://www.arcanecode.com) | 2.0 |  |
| Python | Lecture\_exercises | Pluralsight.com | Python: The Big Picture, Jason Olson, www.codingcoda.com | 1.0 | Sept 2020 |
| R | Lecture\_exercises | Pluralsight.com | Building Your First R Shiny Application, Charlotte Wickham, www.cwick.co.nz | 1.5 | Sept 2020 |
| Alteryx | Lecture\_exercises | Pluralsight.com | Alteryx Designer: Getting Started. Michael Barone,  [www.linkedin.com/in/mvbarone](http://www.linkedin.com/in/mvbarone), Alteryx ace | 2.25 | Sept 2020 |
| Tableau | Lecture\_exercises | Pluralsight.com | Collecting and Preparing Data for Tableau Desktop. Pooja Gandhi, 2X tableau Zen master, thedataduo.com | 1.6 | Sept 2020 |
| R | Lecture\_exercises | Pluralsight.com | Exploring Data Visually with R. Martin Burger | 2 | Sept 2020 |
| Power BI | Lecture\_exercises | Pluralsight.com | Power BI Data Import Playbook. Instructor Rory Neary, [www.dataspinners.co.uk](http://www.dataspinners.co.uk), power platform consultant | 1.75 | Sept 2020 |
| Power BI | Lecture\_exercises | Pluralsight.com | Building Your First Power BI Report. Instructor Stacia Varga, www.datainspirations.com | 1.5 | Sept 2020 |
| R | Lecture\_exercises | Pluralsight.com | R Programming Fundamentals. Instructor Abhiskek Kumar,  ItsAbhishekKumar.com | 7 | August 2020 |
| R | Lecture\_exercises | Pluralsight.com | Exploring Your First Data set with R. Instructor Martin Burger,  www.r-tutorials.com | 2.1 | August 2020 |
| SQL | Lecture\_exercises | Pluralsight.com | Introduction to SQL. Instructor Jon Flanders, www.jonflanders.com | 3 | July 2020 |
| SQL | Lessons | Sams | Guided lessons with sample database. Sams Teach Yourself SQL, 24 one-hour lessons. Stephens, Jones, Flew. Book is 11c version and my version is 18c. Had to figure out script differences to get sample files to load. | 24 | August 2020 |
| Oracle SQL Developer | Lecture\_examples | Oracle | Introduction to Oracle SQL developer video. | 8 | July 2020 |
| SQL |  | Oracle | Oracle Developer Gym on-line tutorials https://devgym.oracle.com/pls/apex/f?p=10001:20011:0:::20011 |  | In-progress |
| Yardi | Self\_study |  | Enterprise system. Learned configuration, report writer, table structure. Negotiated enhancements with vendor | 80 | March 2019 |
| Yardi email templates | Self\_study |  | Modified SQL queries so that email templates pull correct data | 8 | March 2019 |
| Paycor | Self\_study |  | Payroll and Human resources software. | 30 | January 2018 |
| ADP | Self\_study |  | Payroll and Human resources software | 40 | January 2012 |
| Microix | Self\_study |  | Software that sits on top of general ledger software to manage payables and related approvals for organizations that have remote locations. | 40 | 2013 |
| MIP/Abila | Self\_study |  | General ledger and subsidiary module software. | 60 | January 2012 |
| Great Plains | Self\_study |  | General ledger and subsidiary module software. | 60 | June 2011 |
| F9 reporting software | Self\_study |  | Excel based reporting tool that connects to many general ledger databases | 60 | March 2005 |
| American Fundware | Classroom | American Fundware | Fundware budget module in class training in Chicago. | 8 | August 2004 |
| ADP/HR perspective | Classroom | ADP | Software training on HR perspective product. ADP | 7 | May 2003 |
| HTML | Classroom | UMSL microcenter | Introduction to HTML – UMSL micro-computer course. (0.6 CPE) | 0.6 | November 2001 |
| Visual basic | Classroom | UMSL microcenter | Introduction to Visual basic I, II, III. UMSL microcenter courses. | 24 | 2001 |
| Blackbaud fundraising | Self\_study |  | Fundraising/customer contact software for non-profits | 60 | July 2000 |
| Blackbaud general ledger | Self\_study |  | General ledger & reporting software for non-profits | 60 | June 2000 |
| Access | Self\_study |  | Wrote application for a painting contractor to create bids from takeoff plans. Modified SQL code from query builder and used a little VBA code for buttons. | 80 | 1999 |
| Database normalizing | Self\_study |  | Concepts from Wroxsoft book and applied knowledge in creating a bidding application for a painting contractor | 15 | 1998 |
| Access | Self\_study | Wroxsoft | Followed “Teach yourself Access in 21 days” book from Wroxsoft. | 63 | 1998 |
| Novell administration | Classroom | Wave Technology | Administration for NetWare 3.x. Wave Technologies. | 24 | December 1995 |
| Infomed on-site training | Classroom | Infomed | Medical/charting/billing software for Home Health agencies. Ran on MUMPS operating system. In class training in Florida. | 24 | July 1992 |
| American Fundware – self taught | Self\_study |  | General ledger, billing, accounts receivable and payable software | 80 | 1991 |
| Zoom | Self\_study |  | Was company administrator. | 8 | February 2020 |
| Excel | Self\_study |  | Advanced user. Use VLOOKUP’s, sumifs, and what-if analysis. e.g. built interactive budget models and pension model for defined benefit plan that comes within 1% of actuarial numbers. | 80 | 1997-2017 |
| COBOL | Classroom |  | One-hour introductory course at University of Nebraska | 15 |  |
| Word | Self\_study |  |  | 40 |  |
| Outlook | Self\_study |  |  | 40 |  |
| Visio | Self\_study |  |  | 40 |  |
| PowerPoint | Self\_study |  |  | 40 |  |
| Google hangouts | Self\_study |  |  | 1 |  |
| Skype | Self\_study |  |  | 1 |  |
| Zoom | Self\_study |  |  | 6 |  |