Brandon Harden

*** **https://b-harden.github.io/Portfolio/** ***

EDUCATION

Lipscomb University, Nashville, TN   **May 2018**

Masters of Science in Data Science

University of Tennessee, Chattanooga, TN

Bachelor of Science in Economics   **December 2014**

WORK EXPERIENCE

EnableComp, Franklin, TN   **January 2021 – Current**

Data Analyst
- Report directly to VP of Complex Claims Operations
- Involved in the creation and tailoring of the company's new Denials product/ department.
    - Analyze client's data to identify top sources of claim denials.
    - Create business logic within client's claim submission workflow that helps prevent sources of claim denials upstream.
- Business functions include extracting data using MS SQL Server, manipulating data using Python, and building dashboards in Power BI used by VPs and C-suite members.

HCA Healthcare, Nashville, TN   **August 2018 – May 2020**

Process Improvement Engineer/ BA (Feb 2019-May 2020) (Position Impacted by COVID)
- Certified Six Sigma Green Belt
- Automation Developer on Robotics Process Automation (RPA) Proof of Concept project.
    - Automated the workflow of granting Physicians application access needed to treat patients.
    - Became a certified RPA Developer during employment.
- Involved in process improvement projects such as Software Licensing Optimization and Lawson Data Security.
    - Licensing optimization efforts resulted in a pool of licensing keys worth over a million dollars in savings.
- Daily workflow involved working with numerous Business Units to create process maps of current state workflows and retrieving/ analyzing data with the identification of KPIs. Assisted BU's in implementing future state process and control plans.

Software Developer Intern (August 2018 – February 2019)
- Direct report to Director of IT&S Product Development Corporate Systems and received IT Management mentorship.
- Assisted HCA's ERP Development Team implement data analysis into both their products and reporting using technologies such as SQL Server, SSRS, Power BI, Python and R.

Direct Access Coordination, Brentwood, TN   **January 2017-August 2018**

Office Manager
- Served as Personal Assistant to company owner.
- Facilitated in the daily management of business records and office personnel.

Davidson County Metro Council – District 29, Nashville, TN   **January-December 2016**

Metro Council Intern
- Served as Personal Assistant to and mentored by District 29 Councilwoman Karen Johnson.
- Attended both Council and Committee meetings with Councilwoman Johnson.
- Assisted in various projects that aimed at advocating, engaging, and motivating local constituents into getting more involved with their community.

Care Management Consultants, Inc., Brentwood, TN   **January 2015-January 2017**

Data Manager
- Processed, organized and maintained data through physical and digital storage.
- Involved in Life Care Planning through critiquing and consolidation of patient data needed for reporting.

University of Tennessee, Chattanooga, TN **August 2013-April 2014**
Student Body Treasurer, Student Government Association (SGA)
- Managed approximately $100,000.00 on behalf of Student Government Association.
- Managed ledger accounts, tracked expenses, and created budgets for Student Government Association.

CERTIFICATIONS
- **IBM Cybersecurity Analyst Professional Certificate** by IBM on Coursera 34RHKM52J8K2 (March 27th, 2021)
- **Microsoft Certified: Azure Fundamentals** by Microsoft: H737-3099 (March 29th, 2021)
- **IBM Cybersecurity IT Fundamentals Specialization** by IBM on Coursera (Feb 25th, 2021)
- **RPA Developer Advanced** by UiPath: 643183669487356432 (Dec 2019)
- **Six Sigma Green Belt** by HCA Healthcare & Belmont Univ. Jack Massey Grad. School of Business: #0403. (Oct 17th, 2019)
- **Azure Data Analytics for Developers** by Microsoft Virtual Academy: (Oct. 12th, 2018)
- **Google Cloud Platform Big Data and Machine Learning Fundamentals** by Google Cloud on Coursera (May 2018)
- **Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization** by deeplearning.ai on Coursera (April 2018)
- **Neural Networks and Deep Learning** by deeplearning.ai on Coursera. (Oct 2017)
- **Programming for Everybody (Getting Started with Python)** by University of Michigan on Coursera (Nov 2016)

PROJECTS (*Please refer to GitHub):
- **Robotic Process Automation (RPA)**
  - Trained and certified as a RPA Developer.
  - Automated the workflow of granting employees application access via eSAF requests.
- **Lawson Security Access**
  - Analyzed Lawson Security Team's data to discover variances in user and table data access.
  - Developed and proposed more efficient method of granting/ eliminating access and security management.
- **Machine Learning (Classification & Regression)**
  - Created and compared multiple classification prediction models in Scikit Learn that could predict, using medical data, which patients had diabetes and which did not. (Models: kNN, SVM, Decision Tree Classifier)
  - Created and compared multiple regression prediction models in Scikit Learn that could predict the *energy output* from a *Combined Cycle Power Plant* (Models: Linear Regression, Ridge Regression, Lasso Regression, Polynomial Regression)
- **Computer Vision**
  - Used OpenCV to perform multiple image transformations on digital input.
- **Google Cloud Products (Recommendation System)**
  - Using virtual machines within Google Cloud Products created a *recommendation system* that suggested to potential travelers lodging accommodations based off previous searches and ratings/ reviews.
- **Google Cloud Products (Forecasting)**
  - Created machine learning models that could predict the demand for New York taxi cabs based off day-of-the-week and weather data, etc.

TECHNICAL SKILLS
- Certified UiPath *Robotics Process Automation* (RPA) Engineer
- Certified Lean Six Sigma Green Belt
- Proficient in programming in Python, R, and SQL.
- Proficient in creating and analyzing Machine Learning models.
- Capable of developing Full Stack Apps using Python, Flask/ Django, and HTML/ CSS.
- Experienced in using Microsoft Azure, Amazon Web Services (AWS) and Google Cloud Products (GCP).
- Experienced in creating Deep Neural Networks.
- Experienced in live broadcasting (video camera and network configuration), as well as hosting events.
- Can understand and speak a little Japanese.

ACTIVITIES AND HONORS

- *Research Presenter* - Lipscomb University Student Scholars Symposium, 2018
  - o   Presented personal research titled "A Review of Virtual Reality for the Training of Robotics Control Policies".
  - o   Presented research reviewing the application of using human demonstrations in virtual reality to train control policies for physical robots.
- *Project Leader* - Hands on Nashville Day, 2015, 2016, 2017, & 2018
  - o   Most recently in 2018 led a group of over 100 volunteers with completing beautification projects at John F. Kennedy Middle School in collaboration with Hands of Nashville.
- *Best Lobbyist Award* - Tennessee Intercollegiate State Legislature, 2013
  - o   Received the 'Best Lobbyist Award' for skills at lobbying legislation and persuading committee members.
- *Representative in the House of Representatives* - Tennessee Intercollegiate State Legislature, 2012
  - o   Created and presented a Legislative Bill which passed through the House of Representatives.