Steven Black | DATA ANALYTICS & VISUALIZATION PROGRAM MANAGER

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| objective: My name is Steven Black, a self-driven father searching for a career that marries my love of problem-solving with that of learning. Ultimately, I would like to expand my skills and share my enthusiasm with others. | |
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| Skills: Software Development • C# • TypeScript • Python • Bash • Design Patterns • OOP & FP • Clean Code • Git • Visual Studio **|** Data Science • SQL • SQL Server • Pandas • Scikit-Learn • Qlik • Tableau • D3 • Splunk • Hypothesis Testing • ETL • Machine Learning • Jupyter Notebooks • SSMS • Azure ML • Descriptive & Predictive Statistics **|** Cloud • GCP • AWS • Azure **|** Web • Apache • IIS • Security • ES 5-7 • DevTools • Webpack • MVC • npm • React • CSS • Centos • Windows Server | |
| Experience | |
| Feb 2016 - | Data analytics & VISUALIZATION program managerCarahsoft Technology Corp.  * Work with sales teams to identify & solve business problems * Deployed 32 Monitors across office displaying stats and general information * Architected and wrote web app to query, cache, and display **BI**.   + Used **C#** to write service that queries **SQL Server** and caches **Json** files on server   + **IIS** to host website built with **.Net** and **Entity Framework**   + **TypeScript**, **Npm**, **Webpack**, **D3**, & custom npm libraries for **data visualizations**   + **WPF** GUI to control monitors & deploy reports   + Utilized **Splunk Enterprise** for logging   + Pioneered software testing at Carahsoft using Chai & Mocha * Architected **Email Service** to build and send BI to sales teams & directors   + Multi-threaded C# app pulls templates stored data   + Pulls data from SQL Server and **MySQL** databases * Deployed & utilized multiple BI tools including **Qlik**, **Tableau**, & **ZoomData** before ultimately building designing an in-house **BI dashboard** built on web app wrapped in **React** * Maintains & develops proprietary **CRM**   + Responded to tickets from users   + Built and customized WPF dashboards written with in-house framework   + Deployed web-based data visualizations within CRM using **chromium** * **Problem Solving Specialist**    + Solved certificate error causing website to be unreachable from chrome   + Resident **Excel** expert; VBA functions & database connections for president   + Introduced Carahsoft to npm & **web frameworks**   + **ETL** script writer using **Python**, C#, and **Bash**   + Resident **statistician** & SQL expert |
| Apr 2014 – May 2015 | Researcher, molecular neuroscienceKrasnow Institute for Advanced Study Under Nadine Kabbani  * Bench-work; cell culture, proteomics, live cell calcium imaging, & other molecular-biology assays. * Hypothesis testing, data-analysis, and data-visualization using **Excel**, **R**, and **SPSS**.   + Cleaned data sets large & small   + Pioneered parametric testing in the lab   + Utilized **advanced statistical techniques** including t-test, ANOVA, Kruskal-Wallis, Linear & Multiple Regression, Shapiro-Wilk, & PCA * Presented poster at Society for Neuroscience “Cytoskeletal motility and structural growth in developing neural cells is driven by α7- nicotinic acetylcholine receptor association with G proteins”. |
| Feb 2013 – Aug 2013 | research assistant, econometricsGMU Economics Department Under Drs. Dave Hebert and Thomas StratmanCrawled internet for data on timberlands in the northwest United StatesCurated and parsed into .xlsx format for further analysis.For research paper investigating the tragedy of the anti-commons. |
| Aug 2012 – Dec 2013 | researcher, cognitive psychologyHuman Factors & Applied Cognition Labs Under Drs. Matthew Peterson & Eric Blumberg  * Worked in the Eye-tracking lab but was also trained with EEG and TCDS * Ran human subjects through a series of tasks, recorded the data, and paid them as necessary. * Study assessed spatial working memory inhibition via activation of the occipital lobe. |
| Feb 2013 – May 2013 | Disney college programWalt Disney World, Orlando Florida  * Operated the world’s most expensive rollercoaster, Expedition Everest, in Disney’s Animal Kingdom. * Learned from the foremost experts in customer service and have a blast doing so. |
| Education | |
| Apr 2016 – Feb 2017 | Data Science Professional certificateMicrosoft  * Studied the data science process from problem identification to data-app deployment * Used Python, **Pandas**, **Scikit-Learn**, **Azure ML**, SQLite, SQL Server, Excel and a variety of data formats |
| Apr 2014 – May 2015 | PHD (Uncompleted), neuroscienceGeorge Mason university  * GPA 3.82 * Coursework in Advanced Statistics, Ethics, & Biotechnology |
| Aug 2009 – April 2014 | B.S Economics, concentration in managementGeorge Mason University  * GPA 3.35, GPA in Math & Science: 3.76 * Coursework in Game Theory, Econometrics, Calc II, Discrete Maths, & Statistics II |