

## SUMMARY:

I'm a self-driven father who is looking for a career where I can marry my love of programming and data. I'm happy with my current job but would like to expand my skills and share my enthusiasm for problem solving. If you would like to know more please email me or visit my personal website at [sblack4.rocks](http://sblack4.rocks).

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### Feb 2016 - Present **DATA ANALYTICS & VISUALIZATION PROGRAM MANAGER**

CARAHSOFT TECHNOLOGY CORP.

My job involves interfacing with other teams to come up with questions, investigate the data, and create data products. I work with a variety of tools but use SQL, C#, JavaScript, Bash, Python, and Excel daily. I have deployed pre-built data-analysis tools (Qlik, ZoomData, Tableau, Splunk) but currently my team and I are building-out an in-house web-based visualization tool using Typescript, ASP.NET, and Windows Server.

### Apr 2014 – May 2015 **PHD STUDENT & RESEARCHER, MOLECULAR NEUROSCIENCE**

KRASNOW INSTITUTE FOR ADVANCED STUDY UNDER NADINE KABBANI

I performed bench-work doing cell culture, proteomics, live cell calcium imaging, as well as a host of other molecular-biology assays. The bulk of my work was in hypothesis testing and data-visualization, working in Excel, R, and SPSS. I presented a poster at the Society for Neuroscience Annual Meeting which summarized my work titled "Cytoskeletal motility and structural growth in developing neural cells is driven by  $\alpha 7$ - nicotinic acetylcholine receptor association with G proteins". Although neuroscience is fascinating my work was all theory and no application which left me yearning for a more practical challenge. With the upcoming birth of my son I left grad school to pursue data-science.

### 2009-2014 **B.S ECONOMICS, CONCENTRATION IN MANAGEMENT**

GEORGE MASON UNIVERSITY

I'm very curious and so enjoyed a significant amount course-work in IT, Economics, Math, Biology, Neuroscience, and Psychology but ultimately chose Economics because of its versatility in the job market and because the Economics professors at George Mason are second to none.

### 2013 **RESEARCH ASSISTANT, ECONOMETRICS**

GMU ECONOMICS DEPARTMENT UNDER DRS. DAVE HEBERT AND THOMAS STRATMAN

I crawled the internet for data on timberlands in the northwest United States. Then the data was curated and parsed into .xlsx format. The project was investigating the tragedy of the anti-commons.

### 2012 – 2013 **RESEARCHER, COGNITIVE PSYCHOLOGY**

HUMAN FACTORS & APPLIED COGNITION LABS UNDER DRS. MATTHEW PETERSON & ERIC BLUMBERG

I worked mainly in the Eye-tracking lab but also trained with EEG and TCDS. I ran human subjects through a series of tasks, recorded the data, and paid them as necessary. My work was mainly done to assess working memory inhibition by activation of the occipital lobe.

### 2013 **DISNEY COLLEGE PROGRAM**

WALT DISNEY WORLD, ORLANDO FLORIDA

Operated rollercoaster, Expedition Everest, in Animal Kingdom. I had the opportunity to learn from the worlds experts in customer service and have a blast doing so.