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| **Miriam A Berkowitz** |
| [**miriambrk@gmail.com**](mailto:miriambrk@gmail.com) **▪ Vienna, VA ▪ LinkedIn:** [MiriamBerkowitz](https://www.linkedin.com/in/miriamberkowitz/)  **Github:** [**miriambrk**](https://github.com/miriambrk) **▪ Portfolio: [miriamberkowitz.com](http://miriamberkowitz.com/)** |

Data analytics developer with 15+ years of full life-cycle software engineering experience, aiming to leverage analytical and leadership skills, along with attention to detail, to guide business operations and decision-making.

**SKILLS**

**Technical:** SQL, Excel, VBA, Python, Pandas, matplotlib, Seaborn, JSON, APIs, Git/GitHub, MySQL, SQLAlchemy, HTML/CSS, Bootstrap, Beautiful Soup, MongoDB, JavaScript, D3, Leaflet, CartoDB, Tableau, Hadoop, C, MS Office, MAC OS

**Leadership:** project management, oral and written communications, budgets, schedules, staffing

**EDUCATION**

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| **The George Washington University**  ***Certificate, Data Analytics and Visualization (to be completed March 2018)***  An intensive 24-week bootcamp dedicated to data analytics and visualization. | **Arlington, VA Washington, DC**  **March 2018** |

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| **Rutgers University**  ***Bachelor of Arts, Computer Science***  Phi Beta Kappa; Henry Rutgers General Honors Program; GPA: 3.5/4.0 | **New Brunswick, NJ**  **May 1984** |

**PROJECTS**

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| **CitySlip** | **Fall 2017** |

* Worked in team of 3 to analyze a city to provide a subjective score for a user to determine whether to move there
* Used Python, Pandas, matplotlib, JSON, and various APIs to collect data about city
* <https://github.com/miriambrk/CityScore-ZipSlip-.git>

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| **Weather Analysis Dashboard** | **Fall 2017** |

* Analyzed how weather varies based on proximity to the equator
* Used Python, Pandas, matplotlib, JSON, and the OpenWeather API to collect and analyze weather data; HTML/CSS and Bootstrap to create the dashboard; Github to deploy
* <https://miriambrk.github.io/webhw/index.html>

**WORK EXPERIENCE**

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| **Gesher Jewish Day School**  ***Committee on Trustees Member, Past VP Fundraising, and Past President*** | **Fairfax, VA**  **June 2003 - Present** |

* Trained 6 professionals to use donor database, improving pledge collections by 50%. Developed and analyzed customized reports, driving fundraising strategies
* Led fundraising efforts, recruited and trained multiple teams of over 40 volunteers to raise significant funds with an annual increase of 10% and up to $500K per year
* Led Executive Committee in key decision making, strategic planning, and stakeholder communication, strengthening the Board and increasing community outreach and engagement

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| **Sweet Wraps**  ***Founder and Owner*** | **Vienna, VA**  **October 2001 - Dec 2012** |

* Designed, implemented, and maintained company website for displaying and ordering personalized candy bar wrappers for all occasions

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| **Systems Engineering Services Corporation**  ***Senior Systems Analyst*** | **Reston, VA**  **April 1995 - July 1999** |

* Engineered and rewrote complex accounting system from inefficient code to consolidated Sybase SQL stored procedures, reducing execution time from 30 hours to 10 minutes weekly.
* Interpreted oil trading business needs and designed, coded, and tested technical solutions as part of 40-person team

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| **Lockheed Martin Corporation (formerly IBM Federal Systems)**  **Advisory Programmer** | **Gaithersburg, MD**  **August 1984 - April 1995** |

* Technical lead for 10-person team developing strategies and prototypes to re-engineer complex mainframe (classified) software systems onto UNIX platform; established and documented software standards and procedures for consistent development for 80+ person team
* Developed and integrated (classified) applications using C, Sybase, and SQL, delivering enhanced functionality of existing mainframe systems
* Designed, coded, and tested large-scale mainframe (classified) systems, as part of 300+ person project, developing thousands of lines of code. First-hand experience with all phases of product development life cycle