

Kris Harbold

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Education	George Washington University , Washington, D.C. B.S. Computer Engineering Dean's List: Fall 2009, Fall 2010, Spring 2012 - Fall 2013	Aug 2009 - Dec 2013
Employment Experience	Bitly Inc , Data Science Intern <ul style="list-style-type: none">Developed d3 visualization and Python back-end for Bitly Real-Time Media Map, fostering user intuition about Bitly data on US news consumption.Created internal dashboards in d3 and Python to analyze sales metrics, heightening business intelligence for the sales and success team. Naval Research Laboratory , Embedded Development Intern <ul style="list-style-type: none">System development for high assurance tactical cross domain communication.System programming to enable hardware and software enforced domain separation. GWU Division of IT , Technician <ul style="list-style-type: none">Hardware and software troubleshooting of staff technology resources.	Summer 2013 Summer 2012 May 2011 - May 2012
Speaking Writing	Exploring Political Bias with the Bitly Media Map , Berkeley Data Science Blog Lighting Talk on Bitly Data Science , DataGotham	Nov 2013 Sep 2013
Projects	Hate Crimes Map <ul style="list-style-type: none">Interactive map of hate crimes per capita across the US.Visualization developed using d3 and Python using data from the FBI's annual hate crime statistic report. Computer Numeric Control Machine <ul style="list-style-type: none">Developed electronics, firmware, and software for self-designed and constructed 3 axis CNC. Athletic Motion Capture System , Capstone Design <ul style="list-style-type: none">Created firmware in C for collecting and transmitting inertial data to user's workstation.Developed software back-end, including data management and analysis techniques. Virtual Address Spaces and fork() in Composite , Operating Systems Class <ul style="list-style-type: none">Implemented Virtual Address Space capabilities, including <code>fork()</code> system call, in a research component-based micro-kernel operating system called Composite.	Oct 2013 - Present Nov 2011 - Present Nov 2011 - May 2013 Fall 2011
Professional Societies	GW Tech Collective GWU Association of Computing Machinery Theta Tau Professional Engineering Fraternity	Founding Member Vice President, Fall 2013 Treasurer, A. Y. 2011-2012
Skills	Languages: C, Python, SQL, Octave, Java, Shell Script Web Development: HTML, CSS, JavaScript, d3	