

Megan Rose Bryant

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(804) 557-4382

EDUCATION

College of William and Mary, Williamsburg, VA
Master of Science, Computer Science - Computational OR December 2017 GPA: 3.51
Fully supported teaching assistantship
Bachelor of Science, Mathematics - Operations Research, December 2013 GPA: 3.5
Departmental Honors, Dean's List, cum laude

SKILLS

Languages: Python, C++, Java, SQL, \LaTeX , R.
Web Development: HTML, CSS, JavaScript, Amazon Web Services, DynamoDB, Alexa Developer Console, Google Cloud Services, XML.
Applications: Vi/Vim, Atom, Git, MySQL, Visio, Project, Office, Active Directory.
Operating Systems: Unix, Linux, Mac OSX, Windows, Android.
Data Science: Data Analysis, Data Visualization, Statistics, Regression, Simulation, Linear Programming, Nonlinear Programming, Monte Carlo, Threat Modeling, Network Optimization, Supply Chain Optimization, Design of Experiments.
Electronics: Raspberry Pi, Arduino, 3D Printing, Soldering, Desoldering
Networking: LAN & Remote Connectivity, Wireless Connectivity
Hardware: PCs, Laptops, VoIPs, Printers, Ricoh Aficio.
Misc: User Training, End-User Support

EXPERIENCE

Information Technology Analyst Colonial Behavioral Health
July 2018- Present Williamsburg, VA
Primary responsibilities are performing various system analysis techniques, providing technical support to over 200 end-users, and writing detailed documentation of resolutions. Additional duties include hardware deployment, imaging of workstations, utilizing remote access tools, setup/maintenance of the VoIP system, configuration and deployment of staff smart phones, and conducting bi-weekly new employee orientation.

Owner/Operator Bryant Electronics LLC
December 2013-July 2018 Williamsburg VA
Founded dual pronged business which used the principals of arbitrage to source inventory locally for online resale. Principal areas of focus include collectibles and electronics, with particular attention paid to sourcing electronic salvage for repair and resale. Company maintained active presence in the community, donating excess inventory and offering free computer repair services to low income citizens through local nonprofits.

Teaching Assistant College of William and Mary
August 2014 - December 2017 Williamsburg, VA
Taught multiple *Calculus I* lab sections and graded an additional four courses (*Linear Algebra, Statistics, Probability, and Data Science*). Volunteered to host tutoring sessions for students requesting additional assistance. Created interactive Calculus I lessons for lab instruction based on university-approved curriculum.

PROJECTS

Simulating & Modeling Cybersecurity Threats: Constructed a virtual model of a representative computer systems network and executed simulated cyber security events in order to provide security analysis as proof of concept for alternatives to penetration testing without the traditional risk to availability.

Bucket of Onions: Mapping the Dark Web: Conducted a scan of the Dark Web using a distributed Python program and Selenium Web Driver deployed on Google Cloud Platform. Collected availability info in JSON format on Onion links starting from a base list of previously known sites and grown organically by the program.

Terrorism Detection through Twitter: Python program which detects suspected terrorist events using both Twitter's Rest & Streaming APIs. Using a SQL database of curated keywords determined through frequency & cluster analysis of past events, a customizable threshold is established and, once breached, the user is notified by SMS.