

# BRYAN MALYN

Austin, TX

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## COMPUTER SKILLS

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Basic Knowledge: PHP, GRAFANA, KAPACITOR, ANSIBLE, ZENOSS,  $\LaTeX$   
Intermediate Knowledge: Databases, GIT, C, JAVA, HTML, JAVASCRIPT  
Advanced Knowledge: CFENGINE, PYTHON, LINUX Administration

## WORK EXPERIENCE

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	<b>SAMSUNG AUSTIN R&amp;D CENTER (SARC)</b> <hr/>
Nov. 2017 - Present	Engineer II, <i>Austin, TX</i> Product owner of critical tools: CFENGINE, ZENOSS, and our CMDB; including managing the required infrastructure to support these tools and performing critical updates. Create tooling in our configuration management tool, CFENGINE, which makes it easier for other team members to make changes to installed packages or to lay down files (templated, raw files, and files from an http source). This is done by writing CFENGINE policy that parses through json files which describes what files will be placed, what permissions will be set on the file, who owns (user/group), and where those files come from. Automate ZENOSS monitoring of systems by synchronising with our CMDB to add/delete devices as they come online and are retired; and to update device production states, monitoring templates, and roles. Provide tooling around our CMDB as well as extend its functionality by updating the SQLALCHEMY ORM and MYSQL database.
	<b>INTERNATIONAL BUSINESS MACHINES CORPORATION (IBM)</b> <hr/>
AUG. 2015 - OCT. 2017	Cloud Automation Specialist, <i>Austin, TX</i> Created tools to ease my team's effort for periodic revalidation processes. Created new processes to decrease our clients' workloads, with a focus on security compliance. Created an IoT system, in PYTHON, to record metrics from our labs including power, temperature and humidity. Created graphs and alerts based on those metrics using INFLUXDB, GRAFANA, and KAPACITOR. Recognised twice for the Manager's Choice Award for the practice <i>Dare to Create Original Ideas</i> .
	<b>U.S. CUSTOMS AND BORDER PROTECTION (CBP)</b> <hr/>
SUMMERS 2012 - 2014	Wireless Systems Program Office Intern, <i>Chantilly, VA</i> Compiled lists of radio sites across the nation. Optimised a data migration process from various projects to a standardised file structure, which would have taken months to do by hand. Created a process to calculate Operational Availability, and highlighted critical information.
SUMMER 2011	Chief Technology Office Intern, <i>Springfield, VA</i> Increased usability of an inventory database by gathering meta-data for thousands of entries. Investigated a middle-ware platform, and documented my findings to decrease the time other groups would spend on standing it up in the future.
JUN. 2009 - AUG. 2010	Field Technology Officer Intern, <i>Herndon, VA</i> Worked on a dynamic IT team that provided server maintenance and support to our customers, both in person and over the phone.

## CONFERENCES

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AUG. 2015	Critical Alternatives 2015: 5 <sup>th</sup> Decennial Aarhus Conference Published and demoed: <a href="#">Light is Loud: A Sound Driven LED Suit</a>
DEC. 2014	8 <sup>th</sup> International Conference on Ubiquitous Computing and Ambient Intelligence 6 <sup>th</sup> International Work-conference on Ambient Assisted Living (UCAmI & IWAAL 2014) Published: <a href="#">The Brightnest Web-Based Home Automation System</a>

## EDUCATION

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MAY 2015	Bachelor of Science in COMPUTER SCIENCE, <b>Virginia Tech</b> , <i>Blacksburg, VA</i> <i>Magna Cum Laude</i>   MAJOR: Computer Science   MINOR: Math CAPSTONE: Creative Computing   ADVISOR: Prof. STEVE HARRISON
FALL 2013 - SPRING 2014	Study Abroad at <b>Luleå Tekniska Universitet</b> , <i>Luleå, Sweden</i> COURSE WORK: Masters Level Computer Science and Swedish Language