

# MELISSA A MALLOY

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## Education

Florida Atlantic University  
Master of Science in Computer Science

Boca Raton, FL  
December 2016

Florida Atlantic University  
Bachelor of Science in Computer Science, *Summa Cum Laude*

Boca Raton, FL  
December 2014

Indian River State College  
Associate of Applied Science in Electronic Engineering

Fort Pierce FL  
May 2011

## Technical Skills

- **Programming:** Java, Python, HTML5, CSS, JavaScript, jQuery, PHP/MySQL, SQL, MQL4
- **Social Media APIs:** Twitter, FaceBook, LinkedIn, KiK
- **Web:** Adobe Dreamweaver, Adobe Fireworks, WinSCP
- **Operating Systems:** Ubuntu Linux, Windows (XP/Vista/7)
- **Applications:** Eclipse, JDeveloper, Oracle SQL Developer, MS Visual Studio, MS Project
- Fluent in English and Spanish

## Employment History

### **Software Engineer, Implementation/Deployment Engineer, Sales Engineer**

*Symantec/Veritas – Heathrow, FL*

*December 2015 – Present*

Worked with DevOps to update and maintain infrastructure to support CICD. Update internal APIs used, migrate areas of the code base from the traditional VMs to the new Docker environment. Assist teams with Alert Center UI AngularJS component development. Deploy Velocity in Spanish-speaking customer environments. Troubleshoot, research, and resolve deployment issues related to Veritas products and customer environments.

Tools used: PyCharm, Jenkins, Stash, Perforce, Jira, Confluence

### **Software Engineer Intern**

*BlackRock – Seattle, WA*

*June 2015 – August 2015*

Participate in the agile software development process for their CRM software. Optimize usability by completing a Proof Of Concept for offline storage with HTML5, using HTML5 AppCache and WebSQL. "Gamify" the application by completing database design, table creation, and responsive design with Bootstrap, AngularJS, JavaScript, and jQuery to meet this component's requirements.

Tools used: Eclipse, JBoss, SVN, Jira, Notepad++

### **Software Engineer Intern**

*Emerson Network Power – Sunrise, FL*

*June 2014 – December 2014*

Optimize performance and readability by making code improvements to overly complex methods and applying appropriate error-handling. I apply Java best practices while refactoring code into smaller more specialized methods, reducing logic where possible, including appropriate logging, and ensuring consistent error handling.

Tools used: JDeveloper, putty, WinSCP, SonarQube, Maven, SVN Tortoise, WebLogic Server

## Projects

### **CityVille Youth Empowerment Android App**

*(Directed Independent Study, Spring 2015)*

Optimized usability by creating methods to handle compatibility with Google Map and Android OS updates. Enhanced social UX by integrating FaceBook Share while capturing data in Parse.com like users, activities posted, and shares.

Tools used: Eclipse, FaceBook API, KiK API, Parse API, Google Maps API

### **Mining Twitter**

*(Social Web Mining – Web 2.0 Architectures, Spring 2015)*

Retrieve Twitter trends for 5 locations of interest today in JSON format, by using the countries WOEID. Pinpoint the locations on a Google Map and display tooltip text over the location, listing the top 5 real-time Twitter trends for that location.

Tools used: IPython Notebook, Twitter API, pgymaps, GitHub

### **FAU NightOwl Transportation Android App and Web Admin Control**

*(Software Engineering, Summer 2013)*

Designed and created a GPS based Android Application for the FAU NightOwl transportation system. The application includes web-based admin database controls and ensures more accurate location reporting and efficient communication when navigating campus.

Tools used: Rational Rose, MS Project, MS Office, Eclipse, Adobe Photoshop, Google Maps API

**References available upon request**