MELISSA A MALLOY

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LinkedIn: http://www.linkedin.com/in/melmalloy ▪ **GitHub:** https://github.com/meMelster

Education

Florida Atlantic University	Boca Raton, FL
Master of Science in Computer Science	May 2017

Florida Atlantic University	Boca Raton, FL
Bachelor of Science in Computer Science, *Summa Cum Laude*	December 2014

Indian River State College	Fort Pierce FL
Associate of Applied Science in Electronic Engineering	May 2011

Technical Skills

- **Programming**: Java, Python, HTML5, CSS, JavaScript, PHP/MySQL, SQL, MQL4, C#, C++
- **Frameworks**: Spring, BootStrap, jQuery, Angular, Node.js, .NET
- **Social Media APIs:** Twitter, FaceBook, LinkedIn, KiK
- **Operating Systems:** Ubuntu Linux, Windows
- **Applications**: IntelliJ, PyCharm, Eclipse, Oracle SQL Developer, MS Visual Studio, MS Project, Jira, AWS, Git
- Fluent in English and Spanish

Employment History

Software Engineer, Founder & CEO

Dev Mode Inc – Heathrow, FL   *July 2020 – Present*

Develop MQL4 algorithmic trading scripts, perform back-testing, deploy on AWS. Develop and deploy Angular Customer Management Dashboard and other custom web apps for small businesses. Develop Unity Augmented Reality App for local renovation company.

Tools used: Java / IntelliJ, Python / PyCharm, MQL4 / MT4, AWS EC2/S3, Git, RESTful API, Angular 8 / WebStorm, Typescript / JavaScript, Nodejs, MySQL, Unity / AR Foundation

Software Engineer, Implementation/Deployment Engineer, Sales Engineer

Symantec/Veritas – Heathrow, FL   *December 2015 – July 2020*

Front-End Angular Alert Center UI component and Middle-Tier Java development, unit testing using Mock data in Jasmine and JUnit. Worked with DevOps to update and maintain infrastructure to support CICD. Deploy Velocity in Spanish-speaking customer environments. Troubleshoot, research, and resolve deployment issues related to Veritas products and customer environments.

Tools used: Java Spring / IntelliJ, Python / PyCharm, Jenkins, Perforce, Jira, Confluence, AWS EC2/S3, Git, RESTful API, Angular 8, JavaScript, Nodejs

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, processing data using Java, and responsive design with Bootstrap, Angular, JavaScript, and jQuery to meet this component's requirements.

Tools used: Eclipse, Java Spring / 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

Bilingual Sentiment Analysis of Spanglish Tweets   *(Master's Degree Thesis, 2016-2017)*

Use Python NLTK library and apply Naïve Bayes classifier to Spanglish tweets. Design an algorithm for preprocessing Spanglish text using POS tagging, stemming, and other methods in Spanglish to train a model and prove that experiments using this model will achieve a higher F-Score, as oppose to using a single lexical dictionary.   https://github.com/meMelster/spanglish

Tools used: IPython NoteBook, Python NLTK, scikit-learn, Twiter API / tweepy, GitHub

References available upon request