

MELISSA A SERRANO

4334 Highway 441 SE Unit#4, Okeechobee, FL 34974

Cell: (863)697-9504 ▪ mserra17@fau.edu ▪ www.MelissaSerrano.com

LinkedIn: <http://www.linkedin.com/in/melserrano> ▪ **GitHub:** <https://github.com/meMelster>

Education

Florida Atlantic University
Master of Science in Computer Science

Boca Raton, FL
December 2015

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, C++, C#, .NET, Python, HTML5, XML, CSS, JavaScript, jQuery, PHP/MySQL, SQL, PL/SQL
- **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 Intern

BlackRock – Seattle, WA

June 2015 – Present

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, Twiter 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 NighOwl escort/transportation system. The application includes web-based administration database controls and ensures more accurate location reporting and efficient communication when navigating around campus.

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

Car Ordering Web App

(Intro to Internet Computing, Fall 2013)

Designed and created a car ordering app with MySQL database tables of car inventory. AJAX and jQuery are used to update each new selection field for the user of data retrieved from the MySQL database. The data is displayed with HTML5 and PHP scripting. The customer is presented with an order receipt and the order is entered in the database.

Tools used: *Adobe Dreamweaver, XAMP, putty, WinSCP, MyPhpAdmin*

Visit: www.MelissaSerrano.com for a demonstration of these projects and the other skills listed above

References available upon request