Yamilex Avila-Stanley

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Education

Georgia Institute of Technology, Atlanta, GA   *2014-Present*
- B.S. in Computer Science (expected 2018)
- 3.33 GPA

Languages and Technologies

Languages: *Proficient*: Java, HTML, CSS; *Familiar*: JavaScript, Python, C
Technologies: *Experienced*: Bootstrap, jQuery, Git, Photoshop, Node.js

Projects

Web Game: Acapellago (UGAHacks 2015)   *October 2015*
- Developed a multiplayer side-scrolling platform game in which you control the character using the pitch of your voice with 4-person team.
- Utilized **Pixi.js** rendering engine for the game development and **JavaScript** Native Web Audio API for the frequency analysis as well as **howler.js** for the in-game sounds.
- **Created the views for the game** including start screen, tutorial screen, and game over screen as well as the **game-loop logic** for switching to different states in the game. Added key-presses into the game for **game navigation.**
- **Won 3rd place** at UGAHacks. **Link to Github: https://github.com/masteryoda123/acapellago**

Web Application: Paint the Nation (GT Appathon 2015)   *October 2015*
- Developed web application with 3-person team that allows you to compare presidential candidates through a visualization of the country made from sentiment data analyzed from twitter tweets.
- Utilized **Twitter** Streaming RESTful API, sentiment analysis with **Alchemy API**, a **MySQL** instance for tweet data storage, visualization with **D3.js**, and **Node.js** for the core application.
- Created script that **queries the database** for tweets regarding a given candidate, **sends a request to Alchemy API** to perform sentiment analysis, and then **updates the database** with the appropriate sentiment value to use in the D3.js visualization.
- **Won 2nd place** prize at GT Appathon for the web application category.
- **Link to Github: https://github.com/masteryoda123/present-dential-predictions**

Pebble Application: League Streams (Pearl Hacks 2015)   *March 2015*
- Developed application that displays list of top live gaming broadcasts on your Pebble Watch.
- Utilized **Pebble.js** and live streaming data from the **Twitch API**.
- **Won prize from Pebble** for one of best Pebble Watch apps at Pearl Hacks.
- **Link to Github: https://github.com/yavila/LeagueStreams**

Website: Personal Website   *Summer 2015*
- Created and designed website **from scratch** to showcase my projects using HTML, CSS, Bootstrap, and JavaScript. **Link to Github: github.com/yavila/Yamilex-Personal-Website. Link to Website: yamilex.me.**

Activities

Big Data Club (Member)   *August 2014-January 2015*
- Worked on Retina News application that displays news intelligently depending on user's interests.
- Developed part of the API for the project using **Python** and **MongoDB** with a 3-person team.

Student Technical Assistant at Georgia Tech   *2014-Present*
- Teach elementary, middle, and high school students programming fundamentals in **Python** and how to program an NXT robot through outreach programs geared toward underrepresented groups in computer science.
- Manage software on hundreds of laptops and tablets and maintain inventory of kits used for student workshops.