

Michael Alexander Garrett

FIU Computer Science B.S. Student at Florida International University - College of Engineering and Computing

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Summary

I am a fourth-year undergraduate Computer Science student at FIU.

Experience

F-35 ALIS Software Engineering Intern at Lockheed Martin

May 2017 - August 2017 (4 months)

-DeMx (Decentralized Maintenance): Utilized the Eclipse IDE, Gradle, Cobertura, and JUnit to design software tests for data synchronization between the F-35 SOU (Standard Operating Unit) and PMA (Portable Maintenance Aid).

-DeMx: Utilized Sparx Enterprise Architect to design software-level Activity Diagrams as well as actor-level Sequence Diagrams in proactively assessing possible faults with F-35 data synchronization implementations, identifying and resolving several issues that have since been excluded from any implementation.

-CMMS (Computerized Maintenance Management System): Oversaw development of the first software testing procedure to be written for a set of Over Target Baseline requirements, from initial draft to final Crucible peer review. Worked with CMMS leaders as well as Integration & Testing, a separate team, to elicit detail of the requirements and feedback on the procedure.

-Learned and utilized Atlassian's JIRA, Confluence, Crucible, and Fisheye, along with VersionOne, Subversion, TortoiseSVN, and Artifactory throughout internship.

Apretaste Google Service - Team Leader at Apretaste

March 2016 - March 2016 (1 month)

Organized team to develop a service that makes it possible to access a small-scale version of Google through email in conjunction with the Apretaste platform, in order to expand access to the internet throughout the world. The hackathon particularly focused on Cuba, where the cost of viewing more than a few megabytes per month is often more than Cuban citizens can afford.

Service Usage Instructions/GitHub link: <https://github.com/Apretaste/google>

Team members: Michael Alexander Garrett, Anabetsy Rivero

FIU STARS - Google Rise Up 4 CS Tutor at Google

January 2015 - April 2015 (4 months)

Google's Rise Up 4 CS project, sponsored by the Georgia Institute of Technology, seeks experienced volunteers to tutor and improve the passing rate of AP Computer Science A students in public high schools.

My duties as a volunteer included:

- Communicate with senior STARS project leaders to decide the best times to have the online meetings and the material covered at each meeting
- Complete each weekly set of lessons on the Runestone Interactive website with the students who attend the online meetings
- Answer any questions the students have and issue feedback on their performance

HackFSU Hacker at HackFSU

April 2014 - April 2014 (1 month)

HackFSU is a yearly event which draws entrepreneurs, coders, inventors, and other people from all walks of life to build anything they can think of in 24 hours.

I planned and built the text-based strategy game, "CaveMap," from the ground up using Java and the NetBeans IDE.

Education

Florida International University - College of Engineering & Computing

Bachelor's Degree, Computer Science, 2013 - 2017

Activities and Societies: ACM, FIU STARS, Honors College

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