

Tony Florida

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EDUCATION:

Johns Hopkins University, Baltimore, MD

- Master of Computer Science, Concentration in Enterprise and Web Computing, December 2014
- Relevant courses: Big Data Processing using Hadoop, Web Application Development with Java, Principles of Enterprise Web Development, Principles of Database Systems, Mobile Application Development for the Android Platform, Software Development for Real-Time Systems, Robotics

Loyola University Maryland, Baltimore, MD

- Bachelor of Science in Engineering, Concentration in Computer Engineering, Math Minor, May 2012
 - GPA: 3.5/4.0, *Cum Laude*
- NCAA Division I Varsity Swimming
 - *Metro Atlantic Athletic Conference Academic All-American*, 2008 to 2012

AWARDS AND

ACCOMPLISHMENTS:

Scholarships

- *National Science Foundation STEM Scholarship*, Loyola University Maryland, 2008 to 2012
- *Thomas Murphy Scholarship*, Loyola University Maryland, November 2011
 - Awarded to a member of the Loyola swim team who exhibits excellence in academics and character

Competitions

- Participant and mentor for TradeKing Programming Challenge, Spring 2011 to Winter 2011
 - Awarded *Best and Most Creative Use of TradeKing API* and *Best Technical Documentation*
- Recognition at numerous hackathons, October 2011 to October 2012

Freelancing Projects

- Developed and released 2 cross-platform mobile games for Quaker Maid Meats, Winter 2011 to Summer 2012
- Developed and released 7 Android applications to the market, 2010 to present
- Developed and released 7 iOS applications to the market, 2010 to present
 - Featured as one of the *Top 50 Paid Travel Apps* on the Apple App Store

SKILLS:

Programming Language: Java, C, C++, Objective-C, Bash, JavaScript, PHP, Python, MATLAB, Visual Basic

Hardware Design: Verilog, VHDL

Database Management: MySQL, SQLite

Revision Control: Git, Subversion

WORK HISTORY:

SAGE Dining Services, Lutherville-Timonium, MD

Mobile Software Engineer, June 2015 to August 2015

- Design and implement mobile apps for the native Android and iOS platforms

Northrop Grumman, Baltimore, MD

Software Engineer, June 2012 to June 2015

- DoD Secret Security Clearance
- C/C++ application and middleware development, January 2013 to present
 - Integrated closely with GNU build system (Autotools)
 - Developed for both Linux and bare-metal target platforms
- Stood up a continuous integration solution involving Jenkins, Git, and an automated testing framework to meet customer requirements
- Established and taught a Git revision control course, May 2014 to present
- Processed LiDAR data to produce various maps including point clouds, October 2013
- Created a component based design using UML, October 2012 to January 2013
- Conducted worst case circuit analysis of an analog circuit board, June 2012 to October 2012

Loyola University Maryland, Baltimore, MD

Student Technician, January 2010 to May 2012

- Maintained all classroom technology on multiple campuses
- Promptly responded to and resolved technology related issues on campus

Northrop Grumman, Baltimore, MD

Digital Systems Intern, June 2011 to August 2011

- Designed Verilog and VHDL hardware to gain proficiency
- Wrote numerous macros to support system level modeling

**LEADERSHIP AND
VOLUNTEER:**

Northrop Grumman, Baltimore, MD

- High School Innovation Challenge program coordinator, 2013 to present
- Navigator for new-hires, 2013
- TEAACH Panel member, July 2013
- Engineering Week volunteer, February 2013
- Habitat for Humanity volunteer, January 2013
- High School Involvement Partnership mentor, Fall 2012 to present

Loyola University Maryland, Baltimore, MD

- Retreat leader for Loyola campus ministry's annual swim team retreat, September 2011

Muhlenberg High School, Reading, PA

- Promoted STEM careers to high school students, December 2011
- Relay for Life, 2005 to 2009