

Michael Gill

Software engineer focused on creating innovative solutions and improving team productivity

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EXPERIENCE

L3Harris Corporation | June 2013 – Present

Associate Manager (*Software Engineer IV*) — Melbourne, Florida

Software engineer working as an individual contributor and team lead over the past 7 years.

PROJECTS

Cryptographic Lead — Modem Software — 1 Year

Led the effort to integrate legacy modem software with a DevOps workflow in Jenkins. Created SCM, unit test, and Coverity SCA environments for the project. Conducted IV&V of the existing software using these tools. Wrote cryptographic module simulator in C#.

Chief SW Engineer — Aircraft Software — 2 Years

Designed and implemented software required to report the operational status of components on a backplane assembly to the rest of the aircraft. Led a team of 3 software engineers from project inception through successful software formal qualification testing.

Developer — Encryption Software — 1.5 Years

Designed a software full disk encryption solution for use between Windows, Ubuntu, and a proprietary embedded system. Used technologies such as LUKS, dm-crypt, Librecrypt, and BusyBox to create the solution.

Developer — Software Defined Radio — 2 Years

Worked on a software defined radio running RT Linux, a real time operating system. Worked on the radio's waveform in C. Designed and implemented an algorithm which increased packet on time rate to 99.9%. Wrote software to integrate a new Inertial Navigation System which significantly reduced system costs.

EDUCATION

University of Florida, Gainesville
Florida — *B.S. Computer Software Engineering, with Minor in Math*

GPA of 3.64/4.0 | Fall 2009 – Spring 2013

SKILLS

C, C++, and Java (Proficient)

Python and C# (Intermediate)

Managing schedule timelines and teams

Configuration Management in Git and SVN

Developing in Linux and Windows environments

AWARDS

Harris URock Award - received a Urock award for playing a role on Tiger Team to diagnose radio failures.

High School Programming Teacher - held a lesson for high school students on Android programming.

UF Programming Team - placed 25th at South East Regional competition.

Harris Programming Competition - Organized and held official competition.