Michael Gill

Software engineer focused on creating innovative solutions and improving team productivity

1400 Tradition Circle, Apt 202A
Melbourne, FL 32901
Phone: (321)-482-0447
Email: mjgill984@gmail.com
Website: gill984.github.io

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 8 years.

PROJECTS

Cryptographic Lead — Modem Software — 1 Year

Wrote a cryptographic module simulator in C#/.net and deployed it on the lab network. Led the effort to integrate legacy modem software with a DevOps workflow in Jenkins. Conducted IV&V of the existing software using Coverity static code analysis.

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#/.net (Intermediate)

Configuration Management in Git and SVN

Developing in Linux and Windows environments

Continuous Integration in Jenkins

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.