Collingwood Hinson

Embedded Software Engineer

Alto, GA - Email me on Indeed: indeed.com/r/Collingwood-Hinson/fad2c6386e4ee4a8

An enthusiastic embedded software engineer with excellent communication skills and an attentive approach to solving complex engineering problems.
Willing to relocate: Anywhere
Authorized to work in the US for any employer

WORK EXPERIENCE

Software Engineer

Ciena - Alpharetta, GA - January 2014 to July 2016

Worked as a member of the Diagnostics team in the hardware division for the 5400 Family product line. Provided a C++ application suite in conjunction with an embedded Linux system to validate proprietary hardware designs.
- Filled primary and supporting roles on three of the five major hardware developments that took place during time of employment: provided crucial device driver development and maintained advantageous interpersonal relationships to complete design verifications in a timely manner.
- Created numerous device drivers that ranged in complexity from the implementation of hardware communication interfaces, predominantly I2C, to the initialization of high-speed network components supporting SONET / SDH, OTN, and 10Gb Ethernet.
- Provided assistance to the software division when integrating verified device drivers into production software.
- Developed and maintained automated tests for contract manufacturers to validate fabricated hardware for correct functionality.
- Worked with manufacturing to determine the sources of automated testing failures on fabricated hardware units.

Intern

Honeywell - Norcross, GA - June 2013 to August 2013

Worked on various programming tasks to improve the efficiency of testing procedures and to obtain desirable project metrics.

EDUCATION

BS in Electrical Engineering in Technical Programming Languages & Understandings

Georgia Institute of Technology - Atlanta, GA
December 2013

SKILLS

C (5 years), C++ (5 years), Python (2 years), Java (Less than 1 year), Testing (2 years), Git (1 year), Linux (3 years)

ADDITIONAL INFORMATION

Hardware Communication Interfaces: I2C, SPI, UART, Ethernet, GPIB

Test Equipment: Oscilloscope, Logic Analyzer, JDSU / Viavi & Digital Lightwave test equipment