

Brian Sheridan

14 Glen Loch Way – Malvern, PA – 19355

☎ +1 (484) 614 0828 • ✉ bts37@drexel.edu • 🔗 bsheridan94

Education

Drexel University

BS/MS, GPA: 3.54

Majoring in Computer Engineering

Philadelphia, PA

September 2012 - June 2017

Awards and Achievements

- Eagle Scout, Boy Scouts of America, November 2011
- AJ Drexel Scholarship, Drexel University, Fall 2012 - Present
- IEEE-Eta Kappa Nu, Beta Alpha Chapter, November 2015

Computer Skills

Languages: C/C++, Python, Assembly, L^AT_EX, Matlab, VHDL, Android, LabVIEW

Software: VIM, IAR, SVN, Git, GDB, Eagle, Linux, AWS, Visual Studio, Vivado

Microcontroller Families: STM32F4, ESP32, Xilinx, Atmega, Raspberry Pi, Kinetis K60, PIC

Experience

Battelle Memorial Institute

Embedded Software Developer

Columbus, OH

March 2016 - September 2016

- Developed embedded software for a neurostimulation medical device using Agile workflow
- Implemented a hardware abstraction layer for peripherals such as SPI, DAC, DMA, UART and I2C
- Utilized STM32F4 and PIC16 microcontrollers in the device
- Wrote C code in compliance with MISRA C using PC-Lint
- Worked closely with the hardware team to assist in design and testing of hardware

Drexel University

Help Desk Analyst

Philadelphia, PA

August 2015 - March 2016

- Provided help desk support for the Lebow College faculty and students

Woodward McCoach Inc.

Embedded Software Engineer

West Chester, PA

September 2014 - March 2015

- Developed embedded C driver code for high speed fiber optic switch and chassis managers
- Performed software development in a Unix environment
- Wrote test scripts in Python to test hardware functionality and regression testing
- Created I2C bus and ELF file analysis scripts with Python and L^AT_EX
- Performed quality assurance and testing on hardware in production

Allen-Sherman-Hoff

Electrical Designer

Exton, PA

September 2013 - March 2014

- Created and revised AutoCAD drawings for ASH handling systems, including: Elementary Wiring Diagrams, Control Panel Arrangements, Input/Output Wiring Diagrams, Logic Diagrams, and Terminal Block Arrangements
- Performed quality control testing for control panels and maintenance stations
- Wrote Visual Basic Application and AutoLISP scripts to automate tedious tasks in AutoCAD

Innovative Solutions & Support

Software Test Engineer

Eagle, PA

June 2013 - September 2013

- Tested embedded C software functionality through visual, manual and automated testing
- Wrote and edited Excel based test scripts for use with their automated testing program
- Maintained documentation and tracing in compliance with Federal Aviation Administration through Doors 8.3
- Wrote and verified software bug reports with Seapine TestTrack