

TONY ABBOUD

Tony.D.Abboud@gmail.com, (410) 382-4385
2603 Merrick Way, Abingdon, MD 21009

EDUCATION

University of Maryland, College Park, MD

B.S., Electrical Engineering
GPA: 3.7

May 2014

TECHNICAL SKILLS

Programming: *Proficient:* C, Bash, Assembly (*ARM-Thumb*)

Familiar with: C++, Swift (iOS)

Computer Skills: Git, XCode, FPGA/ Xilinx, AutoCAD

Platforms: Windows, UNIX / Linux, OSX, RTOS

WORK EXPERIENCE

Undergraduate Teaching Fellow, C-Programming / Digital Logic

August 2012 – May 2014

University of Maryland, College Park, MD

- Maintain the public directories on the UMD Unix servers
- Taught C programming topics and UNIX utilities
- Led recitation sections on digital logic devices
- Wrote various bash scripts to grade assignments
- Designed programming projects for the semester

GAC Consultants, IT Consultant

May 2006- August 2010

Bel Air, MD

- Repaired and troubleshooted various computer related problems
- Installed and managed computer hardware and software
- Established network and internet connections

PROJECTS

Log & Level – School Project

- Created a logging voltmeter and accelerometer “apps” using ADC, DMA, SPI and Bluetooth USART
- Developed a simple OS to enable context switching for applications
- Designed a terminal UI for ease of use

OBDII Telemetry System - Senior Design Project

- Real-time logging of OBDII data (Engine temp , RPM, etc.) on an LCD powered by an STM32F4-Discovery
- Bluetooth communication between STM32F4 and OBDII scanner
- Use of an RTOS for threads and graphics for the user interface
- Designed a PCB shield to connect the processor and the LCD

Quad-Rotor UAV - Personal Project

- Constructing a multi-rotor helicopter that can be flown autonomously or remote controlled via first person view
- Modifying the flight controller for position hold

FitIN App – iPhone Application (On-going)

- Provides location based health and fitness timeline/news feed for users
- Incorporates GPS tracking for users to interact with those around them
- Using Parse cloud service as the backend

LINKS

- github.com/TDAbboud
- AbboudsCorner.wordpress.com