

# Daniel F. Sabbagh

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## Education

**University of Maryland, College Park 2009 – 2013 (expected)** **Major GPA: 3.1**

- B.S. in Computer Engineering
- University Honors Program

## Work Experience

**Associate Software Engineer, designAmerica Inc.** **July 2013 – present**

- Developed telemetry trending widgets using the Abstract Windowing Toolkit (AWT) in Java
- Developed multithreaded background event message logging module in Visual C++
- **Developed WYSIWYG telemetry display tool in Java for use by NASA/GSFC operators to monitor spacecraft health and safety**
- **Introduced automated testing methodologies to company testing strategy by writing unit tests for aforementioned product using Junit and Mockito**
- Awarded Employee of the Year for 2014
- Logged many hours debugging network anomalies and assisting clients in support of company products
- **Developed and maintained internal company website using Bootstrap**

**Intern, Eritek Inc.** **May 2012 – January 2013**

- Used C++ to program a custom-built computer (PC104) to control and trigger three hi-speed SWIR cameras to synchronously capture data at a maximum of 60 frames per second
- Implemented various routines using MATLAB to verify integrity and synchronization of collected data
- Created a graphical interface for user-friendly control of the cameras using the Qt C++ GUI Framework
- Spearheaded development on an OpenCV-based application which would perform various image processing routines on collected data for further analysis

## Notable Highlights

**Operating Systems, University of Maryland** **August 2012 – December 2012**

- Implemented fundamental features such as multithreading, synchronization, virtual paging and resource scheduling policies to an OS with a simplified Linux-based kernel

## Relevant Coursework

Object-Oriented Programming	Computer Architecture	Concurrent Programming
Low-Level Programming,	Algorithm Complexity	Network Security
Operating Systems Design	Software Engineering	Control Systems

## Relevant Skills

<b>Operating Systems:</b>	Windows 7, Linux (Ubuntu, RHEL)
<b>Programming Languages:</b>	Java, Javascript (jQuery), Ruby, BaSH, perl, MySQL
<b>Tools/Frameworks:</b>	git, Spring, Junit, Mockito
<b>Applications:</b>	Microsoft Office, Eclipse, GDB, VirtualBox/VMWare
<b>Foreign Language:</b>	Arabic

## Miscellaneous

### Side Projects

- Developed and deployed simple GETful web resource using Spring Boot to notify church members of upcoming worship music for each Sunday Service (<http://playhymns.herokuapp.com>)
- Built personal website using Jekyll ([www.danielsabbagh.com](http://www.danielsabbagh.com))