

# Brian Voskerijian

FIRMWARE ENGINEER

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## Experience

### BAE Systems

Endicott, NY

ENGINEERING LEADERSHIP DEVELOPMENT PROGRAM

January 2015 - Present

- Lead a team of peers through an internal proposal to redesign an engine control subsystem.
- Rotate through several engineering positions across business areas and product lifecycles.
- Learn from senior engineers in weekly technical development courses.
- Attend quarterly leadership training and annual leadership development conferences.

### BAE Systems

Endicott, NY

FIRMWARE ENGINEER | ENGINE CONTROL SYSTEMS

January 2016 - Present

- Reshape the requirements, design, implementation, and test of a dual-core, real-time operating system which manages partitioned application software.
- Adapt an existing bootloader to comply with changes in the communication and upload protocols.
- Adhere to common communication standards such as TFTP, SNMP, ARINC 615A-2, ARINC 665, ARINC 664 (AFDX).

### BAE Systems

Endicott, NY

FIELD RELIABILITY ENGINEER | COMMERCIAL AVIONICS

January 2015 - January 2016

- Investigated failures in revenue service. Used product return data, design documentation, test data, fault storage, and failure analysis to determine root cause and corrective action.
- Assessed product performance using common reliability metrics such as MTBUR, MTBF, and failure rates.
- Presented the status of investigations to customers in monthly component reliability reviews.
- Created several process improvements including the formation of a formal investigation process and a fault data parser. Lead the transition to a new project management tool.

### CognitiveTPG

Ithaca, NY

FIRMWARE ENGINEER | THERMAL PRINTING

June 2014 - January 2015

- Designed, implemented, and tested software which integrates into large, real-time systems.
- Wrote robust, maintainable code which adheres to best practices and widely recognized standards such as MISRA C.
- Used common communication protocols such as Bluetooth, Wi-Fi, TCP/IP, USB, SPI, I2C, and RS-232.
- Employed debuggers, oscilloscopes, and logic analyzers to locate and fix problems.

## Education

### Rensselaer Polytechnic Institute

Troy, NY

B.S. IN COMPUTER AND SYSTEMS ENGINEERING

August 2010 - June 2014

Cumulative GPA: 3.11 / 4.00

## Skills & Interests

### LANGUAGES

C  
Python  
VHDL

### SOFTWARE

Git  
Make  
Windchill PLM  
PSPice  
DOORS  
Unity  
Bash  
Ubuntu  
Synergy CM  
Wireshark

### INTERESTS

TDD  
Elixir  
Rust  
Elixir  
Web Dev  
Digital Design  
Snowboarding  
History  
Hoppy IPAs  
History  
Politics  
Economics