**GARY COOPER, SSGT, United States Air Force**

504.485.1210 ● cooper.garym@gmail.com

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**SOFTWARE ENGINEER, ELECTRICAL ENGINEER, USAF VETERAN**

**Proven Success with Cutting-Edge Market Leaders in Big Enterprise and Small Business**

Skilled engineering professional with 11+ years of experience designing and deploying business systems and solutions within architectural and schematic specifications. Resourceful, analytical, and detail-driven with capabilities in completing multiple projects with competing priorities and deadlines. Aggressive in identifying and resolving inefficient operational processes. Strong team member; able to motivate others to achieve optimal production rates while maintaining safety methods and practices. Exceptional communicator with strong negotiation, problem resolution, and client needs assessment aptitude.

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**CORE STRENGTHS**

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|---|---|---|
| • Machine Learning | • React, Angular, TypeScript | • Independent, Non-linear Thinker |
| • Agile Development | • Node, Express, Swagger | • Critical Problem Solver |
| • Restful Web API | • HTML5, CSS3, Bootstrap3 | • Quick Adapter |
| • Responsive/Fluid design | • Grunt, Bower, NPM | • Polished Communicator |
| • Unit Testing | • Karma, Jasmine, Jest, Enzyme | • AntiFragile to failure and criticism |
| • Task Automation | • Svn, Git | • Continuous Learner |

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**PROFESSIONAL EXPERIENCE**

**INVESTOR MANAGEMENT SERVICES, Charlotte, NC ● January 2018 to July 2018.**
*Fin-Tech*
**Senior Application Engineer**

Full-stack development on first-to-market commercial real estate investment SaaS application.
**Skills:**
- Angular, React
- Ruby on Rails
- Github
- Karma/Jasmine

**BANK OF AMERICA, Charlotte, NC ● June 2017 to November 2017.**
*Sparta Platform*
**Application Programmer V**

Full-stack Javascript development building custom, bank-internal continuous integration system along with a custom suite of webtools.
**Skills:**
- React, MobX
- Node, Express, Swagger
- SVN
- Jest, Enzyme

**WELLS FARGO, Charlotte, NC ● August 2016 to May 2017.**
*Wealth Management*
**Web Developer 6**

Full-stack developer working as part of a seven person team to deliver world class wealth management software for iOS and the web.
**Skills:**
- Angular2, Typescript
- C#, .NET MVC, LINQ, EntityFramework
- NPM, Git, Karma/Jasmine

**BANK OF AMERICA, Charlotte, NC ● January 2015 to July 2016.**
*Operational Risk and Compliance Integration Technology*
**Senior Front-End Application Developer**

Lead UI developer for two enterprise-wide applications and authored code for three of six total applications within the Operational Risk and Compliance Integrated Technology module. Applications used by Global Risk Management Teams.
**Skills:**
● AngularJS, UI Router
● Kendo UI, Bootstrap3, UI Bootstrap, HTML5, CSS3
● Karma/Jasmine

**TRIALGRAPHIX, Miami, FL ● March 2014 to October 2014.**
*Litigation Support*
**Software Engineer**

Full-stack developer as part of a 3 person team to develop web-based litigation support platform, LegalRadius.
**Skills:**
● BackboneJS, MarionetteJS
● Jquery, Bootstrap3, HTML5, CSS3
● C#, .NET MVC, LINQ, EntityFramework
● SQL

**LYRICSNMOTION, Charlotte, NC ● May 2013 to March 2014.**
*Multimedia Technology*
**Software Engineer**

Full-stack developer functioning as sole architect and developer of automated lyric video generation platform.
**Skills:**
● Javascript, Bootstrap, HTML5, JQuery, Java, KTDL, Linux
● Abstract motion database, Morphological analyzer (analyzes structure, shape, and context of abstract words describing motion)
● Kinetic Typography Description Language interpreter with Java-based lyric video platform.

**ADILATE, Charlotte, NC ● September 2011 to April 2013**
*Advertising*
**Front-End Developer**

Team of two seeking to revolutionize digital outdoor advertising with an automated, real-time bidding system for digital signage.
**Skills:**
● BackboneJS
● Python
● HTML, CSS

**AREVA, INC., Charlotte, NC ● March 2011 to August 2013.**
*Nuclear New Builds & Plant Upgrades*
**Engineer II - Instrumentation and Controls**

Responsible for understanding codes of federal regulations as applicable to nuclear I&C design. Translates customer requirements to hardware and software specifications. Designs digital I&C solutions for new nuclear plant construction or installed base upgrades. Presents technical design concepts and engineering change packages to senior management.
**Specific Accomplishments:**
● Lauded by STUK & TVO for function allocation re-design and interface specification V&V for Finland's OL3 plant.
● Awarded for safety automation system design and stellar performance of non-safety system segmentation analyses.
● First in a company of 45,000 employees to successfully complete NANTEL certification coursework.

**AREVA FEDERAL SERVICES, U.S. Dept. of Energy – Savannah River Site • June 2010 to March 2011**
*Mixed Oxide Fuel Fabrication Facility*
**Engineer I - Automation**

Responsible for designing graphical robotic simulators by understanding functional and organic analysis documents that describe mechanical robotic motion and translating those requirements into customized software applications, which were used to test PLC code.
**Specific Accomplishments:**
- 125% simulator development time improvement by creating design templates using custom C++ modules.
- Increased process efficiency by coordinating with Quality Assurance to implement standardized technical documentation.


**UNITED STATES AIR FORCE, Okinawa, Japan • February 2001 to November 2005**
*Special Operations / Defense*
**E-5, SSGT - Avionics Technician**

Maintained, installed, upgraded, and repaired analog and digital aircraft communication and navigation systems such as TACAN, VOR/ILS, GPS, JTIDS, TADIL, FLIR, IFF, HF, VHF, UHF, and SATCOM.
**Specific Accomplishments:**
- Received 3 advanced promotions and first time promotion to SSGT scoring in top 1%.
- Recognized by unit commander for on-the-fly technical repair of mission critical systems enabling aircraft takeoff.
- Personally supported executive level members of government on a variety of sensitive, strategic missions.


## FORMAL EDUCATION

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|---|---|
| **B.S., Electrical Engineering** | **A.S., Avionic Systems Technology** |
| University of North Carolina at Charlotte | Community College of the Air Force |
| Charlotte, NC, USA | Fort Walton Beach, FL, USA |


## PROFESSIONAL TRAINING, CERTIFICATIONS, CONTINUING EDUCATION

Sequence Models – License FCX54R5U2EYT
Convolutional Neural Networks – License 22M8UA5FBJ8B
Structuring Machine Learning Projects – License KFAA66E8YHXC
Hyperparameter Tuning, Regularization, and Optimization 10/2017 –
License LVM2NBGRKYUA
Neural Networks and Deep Learning 9/2017 – License M65BBYWUMSKDK
Clustering & Retrieval 06/2017 – License 8JFVVTB34FYR
Classification 04/2017 – License VNY3RG5ZUBKT
Linear Regression 03/2017 – License CFBDKDQYMMXE
Machine Learning Foundations 02/2017 – License W77DV3BUQGD5

High Output Management, Situational Leadership, Crucial Conversations
Agile Software Development
Business Case Writing, Technical Writing for Engineers
North Carolina FE/EIT: #A-25695


## REFERENCES

**Upon Request**