# Steven Maloney

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Top Secret Security Clearance: November, 2021

## EDUCATION

**Georgia Institute of Technology** 2019-December 2022
- Master of Science, Computer Science specializing in Machine Learning, GPA 3.50/4.00
- Relevant Course Work: InfoSec, Networks, Network Security, Machine Learning

**Boston University** December 2018
- Bachelor of Science, Electrical Engineering, GPA 3.68/4.00, *Magna Cum Laude*
- Relevant Course Work: Software Engineering, Computer Networks, Product Design

## TECHNICAL EXPERIENCE

**Principle AI Software Engineer** – Northrop Grumman Space Systems; Colorado Springs, CO 2020-Present
- Machine Learning lead for a cross functional team of 7 engineers.
- Built and deployed a classification model for missile threats from radar data with 80% accuracy.
- Implement network communications to integrate tactical software into a non-real-time simulation framework.
- Build multi-threaded programs to enable communications between multiple simulation elements at once.
- Increase unit testing code coverage to include 90% more code using boost unit test library.
- Fix and mitigate security vulnerabilities identified Fortify Static Code Analysis.
- As Scrum Master utilize a custom created scrum board to track team's relevant metrics and improve velocity.

**Integrated Circuit Engineer** – Northrop Grumman Mission Systems; Baltimore, MD 2019
- Designed new integrated circuit filters for smaller modules and better performance.
- Analyzed integrated circuits to validate performance and reliability metrics.
- Prepared presentations of critical components for customer and internal programs.

**Senior Design, Software Engineering, and Circuit Theory Teaching Assistant** – Boston University 2016 - 2018
- Lab Manager for the 124 student senior design class, provided suggestions for teams to succeed.
- Reviewed C++ object-oriented code for lab sections of 40 students.
- Provided software and hardware feedback to help teams to produce a functional design.
- Worked with students to build, test, and debug circuits of a multitude of levels.

## TECHNICAL PROJECTS

**Senior Design Capstone Project** 2017-2018
- Built a race car telemetry system to give the BU Baja team a tactical advantage.
- Integrated radios and signal processing software for communications from the race car to the pit crew.
- Developed software for communications between the sensors on the car and radios for seamless transfer.

## CODING LANGUAGES AND TOOLS

- C, C++, Python, Java, MATLAB
- Fortify Static Code Analyzer, Boost C++ libraries, Wireshark, Pytest, Visual Studio

## LEADERSHIP EXPERIENCE AND ACTIVITIES

**LGBT and Allies Employee Resource Group –** Northrop Grumman 2019-Present
- Founding member of the Colorado Springs Chapter working on increasing membership.
- Representative to the Operating Unit's Diversity and Inclusion Council.
- Webmaster for the chapter keeping the SharePoint site up to date.

## HONORS AND AWARDS

- Northrop Grumman Engineering Award 2020
- IEEE – HKN Honor Society Inductee 2018
- President, Tau Beta Pi, Engineering Honor Society 2017
- Eagle Scout – Boy Scouts of America 2015