

Benjamin Toll

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EXPERIENCE

Staff Scientist I

Raytheon BBN Technologies, Cambridge, MA

JAN 2019 - PRESENT

- Design and develop an indoor location tracking Android app to help government personnel determine areas of a military facility that need to be disinfected to curb the spread of COVID-19.
- Develop new web, Android, and server-side capabilities for a search-and-rescue decision support tool.
- In consultation with subject matter experts, develop a targeted search approach for detecting evidence of non-native and native biological engineering.
- Co-founded BBN Math Group, an informal discussion group in which members share puzzles and lecture on interesting mathematical topics.

Associate Scientist

Raytheon BBN Technologies, Cambridge, MA

JUNE 2016 - JAN 2019

- Designed and developed the Android front-end of a decision support tool for search-and-rescue missions. Demonstrated this technology to the Air Force Research Laboratory (AFRL) and Special Operations Mission Planning and Execution (SOMPE).
- Designed and developed a disruption tolerant message delivery framework. Coordinated a multi-organization integration effort demonstrating this technology to the Air Force Research Laboratory.
- Contributed content to three winning proposals and a 2017 MILCOM paper.

Teaching Assistant, Computer Security (EECS 388)

University of Michigan, Ann Arbor

JAN 2016 - MAY 2016

- Led a discussion section, held regular office hours, and graded homework, projects, and exams for the CS department's Intro to Computer Security course.

EDUCATION

Tufts University, Medford, MA

Post-bac Mathematics

SEPT 2019 - PRESENT

- Coursework: Math 87 (Mathematical Modeling) - A+, Math 135 (Real Analysis I) - A+

University of Michigan, Ann Arbor, MI

B.S. Computer Science, GPA: 3.64

SEPT 2012 - MAY 2016

SKILLS

Java (expert), Python (expert), Android (expert), C (proficient), Javascript (proficient), SQL (proficient), Linux (proficient), C++ (prior experience), AWS (prior experience).