

RAQUEL LIPPINCOTT

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EXPERIENCE

ROTATIONAL SOFTWARE ENGINEER, BOEING

JULY 2018 - PRESENT

- Competitive 2-year engineering rotational program consisting of four 6-month rotations that span across various business units and different parts of the engineering lifecycle.
- **ROTATION 3 – GLOBAL DIGITAL SOLUTIONS & ANALYTICS** JULY 2019 - PRESENT
 - Supporting a full-stack SAFe team with microservice development for an API store (Java, NetBeans, Microsoft Azure). API store will be live at developer.boeingservices.com in 2020.
 - Responsibilities include parsing messages to human-readable jsons and communicating updates and test results to teams in US and Canada.
- **ROTATION 2 – LIVE METROLOGY R&D** JAN 2019 – JUNE 2019
 - Provided on-site software and hardware development support for three high-fidelity surface scanning system prototypes. Required consistent travel between WA and UT, and collaboration with international teams.
 - Tested B-Spline fitting libraries for the surface-trimming algorithm (Visual Studio, C++).
- **ROTATION 1 – COMMERCIAL AUTONOMOUS SYSTEMS** JULY 2018 – DEC 2018
 - Developed real-time visualization, data recording, and playback visualization capabilities for autonomous system testing. Collaborated with software team on pub-sub architecture refactoring. (Unity, C#, Redis)

SOFTWARE ENGINEERING INTERN, BOEING

APRIL 2015 – MAY 2018

- Developed automated test scripts for verification of Apache AH-64D and AH-64E flight software (Java, Eclipse).
- Received a Pride@Boeing award for creating a 25-page reference guide for incoming interns. Includes acronyms, resources, proper test server setup, and common

EDUCATION

MCS COMPUTER SCIENCE, ARIZONA STATE UNIVERSITY

MAY 2018

- **GPA:** 3.89; 4+1 Program, Women's Club Ultimate Frisbee

BS COMPUTER SCIENCE, ARIZONA STATE UNIVERSITY

MAY 2017

- **GPA:** 3.74; **MINOR:** Mathematics; Honors College, Dean's List, Women's Club Soccer, Women's Club Frisbee

TECHNICAL SKILLS & PROJECTS

- **PROGRAMMING** (By proficiency): Java, C#, Python, C++, HTML, CSS, JavaScript
- **APPLICATIONS & TOOLS:** Unity, Git, Gerrit, Jenkins, JIRA, Microsoft Azure

AUGMENTED CONTEXT VISUALIZATION USING GEOSPATIAL TWITTER DATA

AUG 2016 – MAY 2017

- Team senior capstone project for The Data Mining & Machine Learning Lab at ASU to create a web app that displays trending Twitter topics for a given time range and geometric area using latent semantic analysis.
- Implemented the frontend mapping system, which loads a map of the chosen geometric area with the dynamically-sized, colored, and labeled topic clusters. (HTML, CSS, JavaScript, MapBox)

INVOLVEMENT

BOEING ENGINEERING ACCELERATED HIRING INITIATIVE

JULY 2018 – OCT 2019

- Helped plan and coordinate the 2018 and 2019 Engineering Accelerated Hiring Initiative – a hiring event for engineering students. In 2019, led development for the EAHI mobile app, used by over 180 attendees.

BOEING OUTREACH – WOMEN IN STEM

OCT 2019

- Represented Boeing at the Grace Hopper Celebration and Society of Women Engineering WE19 Conference.

ARIZONA STATE UNIVERSITY – ENGINEERING RETENTION

AUG 2014 – AUG 2016

- Supported ASU Engineering freshmen as a Peer Mentor, Teaching Assistant, and Engineering Camp Counselor.