

ZACHARY C. ROMANO

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EDUCATION

Johns Hopkins University
Master of Science, Computer Science

Expected December 2020
GPA: 4.0/4.0

University of Illinois at Urbana-Champaign
Bachelor of Science, Aerospace Engineering

May 2017
GPA: 3.77/4.0

EXPERIENCE

The Boeing Company
Full Stack Developer and Consultant

Greater Seattle Area, WA
March 2019-Present

- Paired with developers from other teams to spread modern software development practices
- Facilitated courses that introduced new frameworks and software tools to developers
- Utilized Test-Driven Development and a Kanban board as part of the Extreme Programming development principles
- Created automated pipelines to build, test, and deploy apps to the cloud
- Developed an Express server that used GraphQL to serve/write data
- Deployed a React app that utilized SSO and JWTs to securely authenticate users
- Crafted RESTful apis with Springboot and Kotlin
- Co-developed an app to optimize purchasing that discovered \$1.5 billion in unrealized savings and has already saved over \$1 million annually

Systems Engineering Rotation Program

August 2017-March 2019

Data Analyst – Program Management Analytics Team

June 2018-March 2019

- Created a website using .NET to host real-time visualizations created by our team
- Visualized data in Tableau that eliminated hundreds of hours spent on presentations annually
- Connected engineering, production, and supply chain data to provide metrics on part changes all the way from design to installation
 - o Used R to process data on over 4,500 parts from 8 databases to determine if engineering changes will cause parts to arrive late
 - o Selected as one of the top four projects for 2018 in an organization of several thousand
- Designed a risk management visualization package used by BCA, BDS, and Boeing IT

Risk Management – Airplane Level Integration Team

August 2017-June 2018

- Managed risks, issues, and opportunities for a team of 300+ people
- Maintained proper risk mitigation plans for teams and individual engineers
- Educated executives every week about the current level of risk on the 777X
- Eliminated 90 engineer man-hours quarterly implementing report automation using VBA
- Used R to aide a data analytics team by compressing several large data exports

Ford Motor Company
Engine Test Team Intern

Livonia, MI
May 2016-August 2016

Caterpillar
Design Team Student Practicum

Champaign, IL
May 2015-November 2015

TECHNICAL SKILLS

- Working knowledge of data structures, web development, and agile development
- Experience in:
 - Spring
 - React/Typescript
 - Tableau
 - Java/Kotlin
 - Node/Express/GraphQL
 - CAD Software