# Zach Romano

🌐 zromano.com
✉ zachary.c.romano@gmail.com
in www.linkedin.com/in/zromano/
📞 (618) 960-1206

## 🧪 SKILLS

| | |
|---|---|
| Programming Languages | Java, Kotlin, JavaScript, TypeScript |
| Software Technologies | Spring, React, CSS3, HTML5, SQL, Node.JS, Gitlab-CI, Tableau, Splunk, CAD |

## 🕐 EXPERIENCE

### Boeing
March 2019-Present

**Full Stack Developer**
- Paired with developers from across the company to teach modern development practices
- Facilitated courses to train developers on how to deploy software to the cloud
- Followed Extreme Programming principles such as Test-Driven Development and CI/CD
- Designed and created a website to securely track COVID-19 cases in under 24 hours
- Co-developed an app that generates pipelines to build, test, and deploy apps to the cloud
- Utilized Spring Security and OAuth2 to properly authenticate and authorize users
- Built several highly available and scalable apps and Restful APIs
- Co–developed an app to optimize purchasing that discovered $1.5 billion in unrealized savings and has already saved over $20 million annually
- Integrated reusable React components into a web server using server rendered pages

June 2018-March 2019

**Data Analyst**
- Created a website using .NET Core to host real-time visualizations
- Visualized data in Tableau that eliminated hundreds of charting hours annually
- Connected engineering, production, and supply chain data to provide metrics on part changes all the way from design to installation
- Awarded organization project of the year

August 2017-June 2018

**Systems Engineer – Risk Management**
- Managed risks, issues, and opportunities for a team of 300+ people
- Maintained proper risk mitigation plans for teams and individual engineers
- Eliminated 90 engineer hours quarterly by implementing report automation using VBA
- Used R to aide a data analytics team by compressing several large data exports

### Ford
May 2016-August 2016

**Engine Test Team Intern**
- Designed a simulation of engine compression in MatLab to help identify faulty engines

### Caterpillar
May 2015-November 2015

**Design Team Student Practicum**
- Created simulated stress models to predict part failure
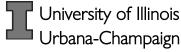
## 🎓 EDUCATION

### Johns Hopkins
Expected December 2020

**Master of Science in Computer Science, 4.0/4.0**
Courses in algorithms, computer architecture/organization, DevOps, web security, and IOS

### University of Illinois Urbana-Champaign
May 2017

**Bachelor of Science in Aerospace Engineering, 3.77/4.00**
Courses in data structures, algorithms, designing and building UAVs, and the development cycle of airplanes