

# Bradley Boxer

## SOFTWARE ENGINEER

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## EDUCATION

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### Rochester Institute of Technology

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

GPA: 3.8 2<sup>nd</sup> Year

*Rochester, New York*

*2018 - 2023*

## PROJECTS

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### Scavenger Hunt, Personal Project

*May 2018 - December 2019*

[HTTPS://GITHUB.COM/BRADLEY-B/SCAVENGERHUNTANDROID](https://github.com/Bradley-B/ScavengerHuntAndroid)

- Developed app in Android Studio to create, and share scavenger hunts
- Integrated Firebase Cloud Store database to store data
- Released app on the Google Play Store

**Tools:** Java, Android Studio, Git, Firebase, JSON

### Airline Flight Reservation System, Engineering of Software Subsystems

*August - December 2019*

CODE AVAILABLE UPON REQUEST

- Collaborated with a team of five to design and create a simulated flight management and reservation system
- Queried official FAA REST API for delays and weather information
- Implemented breadth-first search algorithm to compute flight connections through airports
- Wrote documentation about design patterns and principles to justify design choices

**Tools:** Java, REST APIs, Design Patterns, Networking, Algorithms, IntelliJ IDEA, Git

### WebCheckers, Introduction to Software Engineering

*January - May 2019*

CODE AVAILABLE UPON REQUEST

- Collaborated with a team of five to create an online checkers website in Java and Spark web framework
- Analyzed problem domain to follow domain driven design and agile development practices
- Documented design decisions using basic object-oriented principles
- Ensured application correctness through unit testing, reaching 80% code coverage

**Tools:** Java, Spark, Agile/Scrum, JaCoCo, HTML, AJAX, IntelliJ IDEA, Git

## EXPERIENCE

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### Course Assistant, Introduction to Software Engineering

*January 2020 - Present*

RIT, SOFTWARE ENGINEERING DEPARTMENT

- Graded students and provided detailed feedback on quizzes and assignments
- Ran supplemental workshops to review important topics like version control and web development

### Mentor

*January 2020 - Present*

RIT, SOCIETY OF SOFTWARE ENGINEERS

- Assisted individual students with introductory computer science and software engineering coursework
- Ran group exam review workshops to efficiently cover test material

## EXTRACURRICULAR

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2019-20 **Member**, Society of Software Engineers

2017-18 **Captain**, FIRST Robotics Competition Team 303

*Rochester, NY  
Bridgewater, NJ*