

ZAID BAGHAL

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EDUCATION

Rutgers University - New Brunswick, NJ

2015 to Present

B.S. Computer Science

Expected Graduation Date: May 2020

Relevant Coursework: Introduction to Computer Science, Data Structures, Computer Architecture, Software Methodology, Calculus I & II, Discrete Structures I & II, Linear Algebra

WORK EXPERIENCE

Red Knight Solutions

2019 to Present

Warranty Repair Technician · New Brunswick, NJ

- Provided client break fix support for PC's, laptops, and printers. Certified in repairs for Dell, Lenovo, and HP.
- Collaborated with customers for scheduling appointments and onsite repairs/troubleshooting for businesses.

PROJECTS

Android Weather App

2018

- Constructed a personal Android weather app that displays the weather of any city that the user chooses.
- Created an android HTTP client using Retrofit to make asynchronous server requests and display notifications.
- Utilized GSON library to deserialize JSON into Java objects using the openweathermap API.
- Built using Java, SQL, Retrofit, GSON, and Android Studio.

Expression Evaluator

2018

- Implemented and debugged a mathematical expression parser, evaluator, and calculator.
- Developed feature for the user to test different variables/arrays in each expression using correct precedence.
- Programmed binary mathematical operations and complex parenthesized subexpressions using recursion.
- Built using Java (Stack data structure and postfix algorithm) and Eclipse.

Personal Website and Blog

2018

- Debugged and implemented a responsive portfolio/blog showcasing current work and interests.
- Assembled animations, analytics tracking, responsive web design, and user interfaces for both web and mobile.
- Designed a sitemap and mockup to develop a blog using the Jekyll framework and liquid syntax.
- Built using HTML, CSS, JavaScript, AngularJS, Jekyll and Bootstrap.

Trie Prefix Search

2018

- Implemented a prefix tree that takes large scale word inputs and sorts efficiently for fast access.
- Developed feature to search for inserted words by computing common prefixes or full words.
- Built using Java (Tree data structure and search/insert algorithms) and Eclipse.

SKILLS

LANGUAGES AND FRAMEWORKS: Java, HTML, CSS, Javascript, Liquid, AngularJS, Python, Kotlin, TensorFlow, C#

TOOLS: Android Studio, Git/Github, Unity, Eclipse, Adobe Suite, Microsoft Office, Unreal Engine, Windows, MacOS

EXTRACURRICULARS

Rutgers University Mobile Application Development Club (RUMAD)

2018 to Present

RUMAD Accelerated Android Development Program

2018 to Present

Rutgers Undergraduate Student Alliance of Computer Scientists

2018 to Present