

# Burak Turkal

## Software Engineer

Address: 17 Longworth St, Newark, NJ, 07102 || Phone: 512-993-6008

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**OBJECTIVE**     Software engineer looking for a challenging job opportunity

**EDUCATION**     **MS. in Software Engineering**     **Aug 2018 — May 2020**  
Texas State University

**BS. in Electrical and Electronics Engineering**     **Sep 2015 — June 2018**  
Karadeniz Technical University

**HONORS**     **MALE Network Scholar** Man of Action, Leadership and Excellence  
Texas State University - February 2020

### **EXPERIENCE**

**Web Developer**     **July 2020 — Present**  
Troy Logistic LLC.

**Intern**     **Aug 2017 — Sept 2017**  
SAYKAR Computer Systems and Electronics

**Intern**     **Aug 2016 — Sept 2016**  
Kocaeli Kaya Electromechanic

**Volunteer - Research Development Student**     **Sep 2015 — Feb 2016**  
KTECH Student Organization

### **QUALIFICATIONS**

Java     ○○○●○

JavaScript     ○○●○○

Bootstrap     ○○○○●

Angular JS     ○○○●○

Spring Boot     ○○●○○

Rest API     ○●○○○

GitHub     ○○○●○

Python     ○○○●○

C++     ○○●○○

CSS3     ○○○○●

Kotlin     ○○●○○

Junit     ○○●○○

Hadoop     ●○○○○

HTML     ○○○○●

## **SIGNIFICANT COURSES TAKEN**

### **Artificial Intelligence**

- Basics of Artificial Intelligence
- Forward and Backward Chaining
- Heuristic Search
- Min-Max Algorithm
- Alpha-Beta Search

### **Survey of Software Engineering**

- Software Lifecycle
- Software development techniques such as Agile/Scrum development
- Software Testing (Validation, Verification, White and Black Box Testing)

### **Algorithm Design Analysis**

- Sorting Algorithms
- Hash Tables

### **Software Quality**

- Test Coverage Criteria
- Debugging with Junit

## **PROJECTS**

### **Job Search Website**

**Spring 2020**

- Developed a social network program for job search and job opening posts.
- Handled frontend with HTML, CSS, Bootstrap and Angular Material.
- Established database with MongoDB.
- Used AngularJS to connect frontend and backend.
- Used GitHub as repository hosting service.
- Managed the version control by using Git.
- Developed and executed the source code on Visual Studio Code.

### **Travel Star Website**

**Fall 2019**

- Built the website for users for flight ticket purchase and hotel booking.
- Built frontend with HTML, CSS, Bootstrap and JavaScript.
- Used Java in the backend.
- Participated in database structure forming with MySQL.
- Used Spring Boot to connect backend and frontend.
- Used GitHub as repository hosting service.

- Used Git as version control system.
- Implemented the source code on IntelliJ.

### **Help High School Students Select a Major**

**Fall 2018**

- Drew decision tree and rule formation for backend and frontend separately.
- Used C++ as the coding language.
- Developed the source code on Code::Blocks.

### **Kalah Game**

**Fall 2018**

- Designed Kalah game as a desktop java application.
- Applied Min-Max algorithm and Alpha-Beta Search algorithm, most known artificial intelligence algorithms, to build the game.
- Used Java to develop the program.
- Used Eclipse as the IDE.

### **WEBSITES**

**LinkedIn:** <https://www.linkedin.com/in/burak-turkal/>

**Website:** <https://burakturkal.wixsite.com/main>