

# BAO NGUYEN

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## OBJECTIVE

Seeking opportunities to work as a developer after graduation.

## EDUCATION

*The University of Texas at Dallas*, Richardson, TX  
*Bachelor of Science in Software Engineering*  
Cumulative GPA: 3.791

Expected Graduation Date: August 2018

## WORK EXPERIENCE

### Software Quality Assurance

*Loopback Analytics*

May 2017 – August 2017

Use Selenium WebDriver for automated testing. Implement additional features such as self-healing and report logging for the tool. Architect and build a system that integrates different tools to support end-to-end automation testing. Perform regression tests on SQL database migration. Experience mostly with Java, SQL, Selenium.

## TECHNICAL SKILLS

Programming: Java, C, C++, C#, Python, Android  
Database : MySQL, JDBC, JPA, RDF, SPARQL  
Frameworks : J2EE, JUnit, TestNG

Modeling : UML, Entity-Relationship Model  
Web : HTML5, CSS, JavaScript/jQuery, Bootstrap  
Version Control: Git/GitHub, Bitbucket

## AWARDS

Fall 2014 and Fall 2015 Dean's List      2017 Wells Fargo Endowed Scholarship      2018 Selden Leavell Endowed Scholarship  
Software Testing Contest Certificate from IEE Reliability Society      2018 Mason Brown Family Foundation Endowed Scholarship

## RELEVANT COURSEWORK

Algorithms and Data Structures	Operating System Concepts	Database Systems	Computer Architectures
Advanced Computer Networks Security	C/C++ in UNIX	Software Architecture	Requirements Engineering
Software Testing and Quality Assurance	Software Project Planning and Management		

## PROJECTS

### File Transfer Application (Java)

This project implements a unique protocol for File Transfer between one Server and one Client utilizing Socket Programming, Connection Management, Reliable Communication, and Security (Public Key Crypto as well as Symmetric Key Crypto).

### Dark Chroma (Chrome Extension)

This project is a chrome extension that converts web pages to a dark background with light text to reduce eye-strains during a long reading session. It utilizes HTML5, CSS, Bootstrap, and JavaScript/jQuery (Available on Chrome Web Store).

### ARGO Self Service Agent for Test Data (Java Spring)

A Web Application from Java SpringBoot and JSP that allows QA Testers to query and mutate data to produce new test data. Working with Semantic Web and RDF data.

### Airplane Tickets Reservation System (C++)

This project simulates the current online ticketing systems. It maintains a small database (files-based) of airplanes' seats and let user interacts with them. The system either reserves the seats with receipts then flies the plane when full; or it puts the selected seats onto the waitlist of their associated plane if those seats are already reserved. The prices are based on the type of seat(s) and the user's age.

### Morse Mastering (Android Application)

This project teaches users the Morse code and translates between Morse and normal text. It also provides some Android services, such as *Notification* and *Network Communication* (share messages to other contacts).

### E-Commerce (MySQL Database)

This project is a small ecommerce database using Java embedded with MySQL (JDBC and JPA).

### Flights Map (C#)

This project represents a map of flights that connect different cities. Each city is a vertex, and each flight is an edge in the graph. It utilizes *Dijkstra's* algorithm to find the 3 shortest paths (either by flight duration or by total distance) between given 2 cities.

## ACTIVITIES

UTD Codeburners (2015 – Present)

UTD Vinceff (2016 – 2017)

UTD Swim Club (2016 – 2017)