




BAO NGUYEN

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SUMMARY

An open-minded graduated Computer Science student with lots of experience in Software Development, Data Integration, and Quality Assurance.

TECHNICAL SKILLS

Programming: Java, C#, C, C++, Python, PHP, Android

Databases : SQL, JDBC, JPA, RDF, SPARQL, MongoDB

Web : HTML, CSS, JS, Bootstrap, AJAX, REST, Spring, MVC

Methodology: Agile/SCRUM, TDD, Mobile-First Development

Framework/Platform: J2EE, .NET

Automation Testing : JUnit, TestNG, Selenium

Version Control : Git

PROFESSIONAL EXPERIENCE

Data Integration Analyst Loopback Analytics 08/ 2018 - Present

- Build and maintain multiple Windows Form Applications which automate manual data cleaning tasks that save hours of operation per process for other people
- Design, build, and maintain multithreaded Windows Service applications that automatically download files on schedule and transfer them among servers, which helps save a lot of manual work for the company

Software Quality Assurance Loopback Analytics 05/2017 – 08/2017, 01/ 2018 - Present

- Architect and build a system that integrates different tools to support end-to-end automation testing that reduces tons of long and error-prone manual process for QA team, thus increase efficiency
- Implement additional features such as self-healing and report logging for the automated Selenium tool that give better reports with clearer error tracing

PROJECTS

File Transfer Application

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).

URL: <https://github.com/baonguyen96/FileTransferApplication>

Dark Chroma

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).

URL: <https://github.com/baonguyen96/DarkChroma>

ARGO Self Service Agent for Test Data

A Web Application in 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. Senior Design project.

Morse Mastering

This mobile application (Android) 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).

Flights Map

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.

URL: <https://github.com/baonguyen96/FlightGraph>

EDUCATION

The University of Texas at Dallas

Bachelor of Science in Software Engineering

2014 –2018

The University of Texas at Dallas

Master of Science in Computer Science

2018 - Present

AWARDS

Fall 2014, Fall 2015, and Spring 2018 Dean's List

2018 Selden Leavell Endowed Scholarship

Software Testing Contest Certificate from IEE Reliability Society

2017 Wells Fargo Endowed Scholarship

2018 Mason Brown Family Foundation Endowed Scholarship