**AHMAD ZIA BAYAT**

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U.S. Citizen

**OBJECTIVE**

Seeking career-related experience in Computer Science. Special interest in programming, software development, database applications, and software Testing.

**EDUCATION**

**George Mason University, Fairfax, VA**

**B.S in Computer Science, May 2016**

**Coursework:** Fundamental of Computer Science, Software Developing, Java, C, Python, Database Management, Oracle, SQL Programming, Web Development, HTML, CSS, Operating System Management, Linux, Statistic, MATLAB

**Northern Virginia Community College, Annandale, Virginia**  
Associate of Computer Science, May 2013 Major GPA: 3.5

**Coursework:** Java Programming, Web Design and Multimedia, Database Management, IT Troubleshooting, CSS, HTML, MySQL, Intro to Linux/Unix

**RELATED COURSE WORK**

Computer Science I-III (Java programming) Operating Systems

Data Structures Introduction to Software Engineering

Computer Graphics and Software Design Networking Systems

Concurrent and Distributed Systems

Database Concepts Computer Systems and Programming

**COMPUTER SKILLS**

**Languages:** Java, C, AWK, Assembly Language,

**Applications:** HP UFT, Selenium, Microsoft SQL Express, APPIUM, HP ALM, JIRA

**Databases:** SQL, Microsoft Access, Oracle 9i

**Networking:** LAN/WAN, TCP/IP, Data Encryption, Router Configuration

**Operating Systems:** Windows 7,8,10, NT, 2000, UNIX, Linux, Windows Server 2012R2

**Graphic Design:** Adobe Photoshop CS5, Flash CS5, Adobe Illustrator CS5

**Web Development:** HTML5, CSS, and using Selenium software testing framework for web application

**COMPUTER PROJECTS**

**Engineering:** Designed Personal Student Advising System (PSAS), using UML and C, which allow students and faculty to view and make changes to class schedules and rosters on line.

**Java Programming:** Simulated clock to display current time, using Java.

**CS 202 Projects:** Created couple of software which deals with stack, Queue, linked link data structure.

Programed and developed a program and software using linked list or stack as data structure

Developed a calculator using stack data structure and using methods in stack such as push and pop

**CS 440 Project:** Programmed a compiler which generate PVM code.

Developed this compiler in C, Flex, and Bison

Programmed PVM *emulator* to run programs generate by my compiler

Generated a scanner using flex and recognizes lexical pattern in text

Used bison to convert a grammar description for an LALR(1) context-free grammar into a C program to parse that grammar

**CS 450 Projects:** Implemented and designed Netflix database software   
 Created tables in database using oracle software   
 Implement and define the entity, attribute, primary key, foreign key, and diagram of tables in my Netflix software  
 Developed software in Java language and using query to manipulate and interact with user inputs and requests.

**CS 471 Projects:** The projects involve system programming using C on OS/161  
 Develop software in OS161 using C language and making OS161 kernel capable of running multiple processes Implemented system calls in OS161 kernel such as fork, exec, waitpid, and exit. Worked on different types of processes, threads, CPU scheduling, Memory Management, File and Storage Systems, Virtual Machines, Protection and Security, and Distributed Systems

**CS 465 Projects:** Developed software using Assembly language

**Database Design:** Developed library system database, using MS Access and Oracle that assists users in searching for items by subject, call number, and ISBN number or title.

Created airline reservation system that maintains information on passengers and their destinations, using Oracle.

**WORK HISTORY**

**Software Engineer, Tata Consultancy Service Milford, OH August 2016-Present**

* Working with Microsoft SQL Express and write query
* Insert, modify, and delete data from database
* Automation Testing using HP UFT/QFT and Selenium
* Webpage testing using Selenium components. e.g. Selenium-IDE, Selenium WebDriver
* Windows Application and webpage automation testing using HP UFT

**Uber & Lyft Driver, Uber and Lyft DC/ VA April 2013–August 2016**

* Demonstrated ability to deal peacefully with unforeseen circumstances or delays and use advanced driving techniques to better improve time management and safety
* Assured that the vehicle is maintained in excellent condition and is cleaned regularly and In-depth knowledge of vehicle maintenance is applied
* Drive V. I. P. to various destinations upon request, with knowledge of various cities and efficient routes
* Neat and smart appearance, customer friendly and intellectual individual with desire to exceed expectations

**Postman, USPS Merrifield VA August 2013 – Oct 2014**

* Checked vehicle for defects before and after trips and reported discrepancies
* Planned route to assure most cost-effective use of time and equipment
* Read and interpreted maps and driving directions
* Verified order details and attained customer signature on store copy of delivery ticket
* Gathered and organized required paperwork for delivery and transfer activity

**LANGUAGES**

English, Farsi, Dari, Urdu and Pashto