

MICHELLE CAROL WILLIAMS

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QUALIFICATIONS AND RELATED COURSEWORK

Programming Languages:

Java
Python
C++
HTML, XML, CSS
SQL
Thyme Leaf

IDE:

IntelliJ
Spring Boot

Framework:

Spring Boot
Gradle

- **Database Management and Systems Analysis:** Proficient in Object Oriented Programming, Software Development Cycle, and the Waterfall Methodology. Utilizing Microsoft Visio, learned diagrams ranging from data flowcharts to entity relational diagrams. Using SQL server software, designed and implemented a database in SQL.
- **Visual Basic Programming:** Proficient in the use of Visual Basic Software. Created a variety of programs utilizing Windows form. Output included a page for ordering coffee and calculating its price, and a digital program for the game Hangman.
- **Research and Development Lab, Computer Hardware:** Lead full software development lifecycle project where we followed the steps in the software development life cycle and went through the professional route for beginning a new project. (Project Planning, BA, Wireframing, Prototype, Mock Interview with Client)

EDUCATION

Bachelor of Arts, Summa Cum Laude – Computer Science (Algorithms and Programming), Minor Mathematics
Westminster College, Fulton, MO **May 2013**

- GPA 3.95
- Dean's List: Fall 2011, Spring 2012, Fall 2012, Spring 2013
- Member Alpha Chi Honors Society

High School Diploma
Villa Duchesne, St. Louis, MO

May 2009

LaunchCode (Programming Bootcamp)

Jan 2018 – July 2018

WORK EXPERIENCE

Fathers' Support Center, St. Louis

October 2014 – Present

Quality Assurance, Database Manager

Part of the Quality Assurance Department of a non-profit social services agency that provides responsible parenting and youth services programs.

- From scratch, built the organization's database, accounting for all the various reporting requirements of each and every department.
- Maintained and modified the database, ensuring the ability to capture new information requirements while protecting the old information.
- Diagnosed and solved coworkers computing and printing errors, increasing organization's efficiency.
- Through data analysis, optimized the organizations recruiting strategies, identified underperforming employees, and highlighted the successful outcomes of the program.
- Implemented auditing strategies and guidelines that eliminated data inaccuracies when reporting information to the federal government and other funders.