

Denee Mary McClain
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OBJECTIVE

Admission to an exemplary data science program from which I can acquire skills and knowledge that will enhance my ability to combine machine learning and data analytics to solve the toughest problems the American workplace can deliver.

TECHNICAL SKILLS

Languages, Proficient

- Java
- C#
- JavaScript
- Python
- C++

Languages, Familiar

- C
- Objective-C
- SQL
- Lisp
- Racket
- VHDL
- MIPS Assembly Language

Software/Frameworks

- Microsoft Visual Studio
- SQL Server Management Studio
- Android Studio
- Team Foundation Server
- Git
- ASP.NET
- ASP.NET MVC
- .NET Framework

EDUCATION

**Southern Adventist University –
Collegedale, TN**
Aug. 2013 – Dec. 2016

- B.S. Computer Science;
Graduated 2016
- GPA: 3.98 / 4.0; Summa Cum
Laude
- Member, Honors Program

Relevant Projects: **DoubleCheck Homework Application**

In a team environment, built, tested, and deployed MVC web application allowing students to visualize time commitments necessary to complete course assignments. Worked with C#/.NET, ASP.NET MVC, HTML, JavaScript, Microsoft Visual Studio, Bitbucket and JIRA.

Language Student; “Artificially Intelligent Computer Assisted Language Learning System With AI Student Component”

Completed independent research and literature review on Intelligent Computer Assisted Language Learning (ICALL) systems. Presented research and proposal for building a unique ICALL system which would develop its language abilities while the human user developed their own language skills by teaching the system. Built, tested and presented prototype of proposed ICALL system, christened the Language Student. Worked primarily with Python.

PROFESSIONAL EXPERIENCE

Mouser Electronics

May 2016 – present

Junior Web Developer,
Jan. 2017 – present

Write, debug, optimize, and test code for projects aimed at maintaining and enhancing the company website's search functionality and search APIs. Work with QA engineers and project managers. Ensure accurate project deployment. Work with C#/.NET, ASP.NET, ASP.NET MVC, JavaScript, Microsoft Visual Studio, and Team Foundation Server.

Relevant Accomplishments:

Wrote, tested and deployed original MVC web application for internal management of API usage. Worked with ASP.NET MVC, C#, JavaScript, Microsoft Visual Studio, and Team Foundation Server.

Intern,
May 2016 – Aug. 2016

Wrote, debugged, and optimized code handling company website's search functionality and search APIs. Worked with QA engineers and project managers. Worked with C#/.NET, JavaScript, Microsoft Visual Studio, and Team Foundation Server.

Southern Adventist University

Aug. 2013 – Dec. 2016

Programmer,
Center for Innovation and Research in Computing,
Aug. 2015 – Dec. 2016

Analyzed and supported computing needs of clients by writing, testing, debugging and documenting code. Clients included on-campus departments and small businesses. Worked with C++, C#/.NET, Java, Microsoft Visual Studio, and Android Studio

Relevant Accomplishments:

Architected presentation sharing Android phone application.

Extensive backend development for presentation sharing Windows application

Tutor,
Learning Support Services,
Aug. 2015 – Dec. 2015

Tutored students enrolled in Calculus I, Calculus II, and Fundamentals of Programming. Taught students to decompose complex problems into more readily solvable components and solutions.

Supplemental Instruction Leader,
Learning Support Services,
Aug. 2014 – May 2015

Acted as moderator of an interactive learning environment for lower- and upper-classmen that facilitated discussion and developed practical application of theoretical academic concepts.

Lab Assistant,
School of Computing,
Aug. 2014 – Dec. 2015

Assisted students programming in C++ and Python. Counseled students in effective debugging, tracing pseudocode, creating cogent documentation, and running integrated development environments.

Grader,
School of Computing,
Aug. 2013 – Dec. 2016

Graded online assignments and
ensured that students fully
comprehended foundational
computing principles and practices.

LEADERSHIP AND ACHIEVEMENTS

Member, JumpStart Undergraduate Diversity Forum, 2014-present

Candidate, INROADS, 2016

Member, Southern Adventist University Computer Club, 2013-2016

Captain, Ron Brown Scholars Program, 2013-2015