4703 Wren Wood Dr.
Columbia, Mo. 65202

Brandy Dian Poag-Dorado

(573) 823-9566
bdpoagdorado1@cougars.ccis.edu

Objective: To obtain an entry-level position as an application developer.

Education:

Columbia College, Columbia, Mo. Expected Graduation: December 2012
Major: Computer Science   **Minor**: Mathematics   GPA: 3.596

Relevant Coursework:

Algorithms & Data Structures	Object Oriented Analysis & Design	Systems Analysis & Design
C++ Programming	Database Systems	Cryptography
Python Programming	Operating Systems	Discrete Mathematics
Java Programming	Artificial Intelligence	Calculus
Programming Languages	Computer Architecture	Introduction to Business
Assembly Language	Computer Networks	Business Law

Technical Capabilities:

- Languages: C/C++, Python, Java, Lisp, PHP, Javascript, JQuery, Ajax, SQL, HTML, LaTeX
- Platforms: Unix, Linux, MS Windows 7
- Programming: C++ STL, GUI, Socket Programming, OpenGL, MySQL
- Software: MS Visual Studio, Xemacs, Eclipse, PyGame, VMware Player, phpMyAdmin

Related Experience:

- Created a website for people to create and personalize stores online. Written in *PHP, JQuery, Ajax, and MySQL* as a group project.
- Implemented Huffman, Adaptive Huffman, and Arithmetic algorithms to compress numerous books to help determine authorship of the books. Written in *Python and MySQL.*
- Implemented AI algorithms and heuristics for playing Go. Written in *Python* as a group project.
- Created an educational spelling game with a graphical interface. Written in *Python* using *PyGame.*
- Implemented a program to download books from the Internet and perform a statistical analysis of character n-grams. Written in *Python* as a group project.
- Utilized SDL to create a clone of Galaxian with a graphical interface. Written in *C++.*
- Created Checkers clones that implemented AI algorithms. Written in both *C++* and *Assembly Language.*
- Developed a system project plan for local business that utilized the system life cycle.

Work History:

Garmin International, Olathe, KS.   *Aviation Panel Software Engineer*   May 2012-August 2012
- Participant in a summer internship, developing embedded software using C.
- Write, test, and review requirements and modular test for the G1000 aviation display unit.

Work Study, Columbia College, MO.   *Assisted CS Faculty*   June 2011-May 2012
- Collaborator of an online quiz generating software (on-going project) using *Python, and MySQL.*
- Tutor fellow Computer Science students.

Campus and Community Activities:

- President of UPE Honor Society and Member of KME Honor Society
- Recipient of 2011 Student of Distinction Book Award
- Secretary of Columbia College Computer Science Club