# Brad Boutaugh

Looking to match an ever-growing experience in development and analytics with an organization determined to overcome barriers

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## EDUCATION

**Bachelor of Science in Computer Science**
University of Missouri, Columbia, MO
Expected Graduation: May 2020
Current GPA: 3.1

**Master of Science in Information Systems Management**
University of Missouri, St. Louis, MO
Graduation: December 2014
GPA: 3.6

**Bachelor of Science in International Business Management**
Missouri State University, Springfield, MO
Graduation: May 2010
GPA: 3.2

## PROJECTS

**Neural Network**
Developed a multi-layered neural network from the ground up in Python capable of learning and classifying hand-written numbers from the MNIST data set

**Solar System Simulation**
Created a Java application that simulated the Solar System's planetary orbits while fully exhibiting the model-view-controller framework

**Workflow Optimizer**
Partially developed an application that provides an optimal cloud based resource allocation to scientific research groups based on their primary needs

## EXTRA-CURRICULAR ACTIVITIES

**Upsilon Pi Epsilon Honor Society** - **Treasurer and Historian**
Documented events of the chapter, lead efforts in the creation of the chapter website, and managed finances

**2019 Missouri Science and Technology PickHacks Hackathon**
Created core functionality for an athletic fitness planning website

**2018 University of Missouri TigerHacks Hackathon**
Worked towards the creation of a collaborative website for journalists

## WORK EXPERIENCE

**Print Associate**
Jan. 2018 - Oct. 2019
Office Depot, Columbia, MO

**Assistant Manager**
Nov. 2016 - Dec. 2017
Hibbett Sports, Chesterfield, MO

## RELEVANT COURSEWORK

Object Oriented Programming
Algorithm Design and Programming
Computational Intelligence
Artificial Intelligence
Software Engineering
Cloud Computing
Computer Networks
Database Applications
Calculus

## OVERSEAS EDUCATION

Study abroad program
Qingdao University, China
Summer 2009

## SKILLS

**Programming**
Java, C/C++, Python

**Web Development**
JavaScript, HTML, CSS, PHP

**Cloud Computing**
Amazon AWS, GENI

**Database Management**
SQL, PostgreSQL, MySQL

## RESEARCH

Machine Learning
Analytical Prototyping
Remote Sensing
Business Intelligence
Cyber Security
Computer Networks

## VOLUNTEERING

**Disaster Response Volunteer**
Red Cross, St. Louis, MO

**Home Building Volunteer**
Habitat for Humanity, St. Louis, MO

**Distribution Volunteer**
Ozark Food Harvest, Springfield, MO