

DONALD BOLES

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Portfolio



LinkedIn



Git Hub

CAREER OBJECTIVE

Current Computer Science major expecting to graduate December 2019 from University of Colorado at Boulder. Seeking a position that will utilize my educational background and give me an opportunity to contribute to a talented software development team.

EDUCATION

University of Colorado at Boulder**Boulder, Colorado (online campus)**

Bachelor of Science: Computer Science (Expected graduation, December 2019)

Relevant Courses:

- Algorithms
- Information Visualization
- Discrete Structures
- Computer Systems
- Data Structures
- Introduction to Data Science Algorithms

Portland State University**Portland, Oregon**

Bachelor of Science: Psychology (December 2011)

PROGRAMMING LANGUAGE SKILLS

- Python
- C++
- C

SOFTWARE PROGRAMS AND TOOLS

- Vim
- IntelliJ
- Microsoft Office
- Linux
- Git Hub

PROJECTS

Class Project

- Recursive decent parser in Scala similar to JavaScript
 - Receives text as input and parses into a tree structure
- Multiple Data Structures projects (Python and C++)
 - Stacks
 - Queues
 - Hash Tables
 - Balanced Tree Structures (Red black tree)
- Data Science project in Python
 - Used employee data from Kaggle (data science website) to find employee retention model using regression analysis
- Multi-threading projects in C
 - Used forking to create an application that acts like a shell accepting background and foreground commands
- Virtual Memory project in C simulating paging optimization for predefined program
 - Implemented a predictive LRU to improve hit miss ratio from 15 blocks/compute to .39 blocks/compute