Anthony James Martinez

3614 Bellevue Ave
Los Angeles, California, 90026
github.com/Anthony1234567
1234567anthony1234567@gmail.com
(323) 740-2305

OBJECTIVE

An internship or full-time position applying my knowlege in mathematics in the field of computers with special interests in applications programming, information processing, and alogithm design.

EDUCATION

Bachelor of Science, Mathematics
University of California Riverside, Riverside, CA, expected 2016
Concentration: Computational Mathematics
GPA: 3.247

COMPUTER SKILLS

Languages & Software: C, C++, Python, Matlab, Octave, LaTeX, Microsoft Office, Adobe acrobat
Operating Systems: Linux, Unix, Windows, OSX
Version Control: Git

OTHER SKILLS

Spanish - Fluent speach/reading/writing

EXPERIENCE

Math Undergraduate Research Group Spring 2015
Mathematics Department, University of California Riverside

- Research in the field of data compression, focusing specifically on lossless data compression.
- Met twice a week with my group to discuss our findings and work on the beamer presentation.
- Wrote a program for which I implimented the Huffman algorithm to compress files and decompress already compressed files.
- Gave a presentation of our findings to the math department.

PROJECTS

rshell
Implimented a basic command shell that emulates the Bash shell for unix-based systems. Runs commands including a custom ls command, supports piping and input/output redirection, and handles various signals.

Huffman_Coder
Program for which I implimented the Huffman algorithm for lossless data compression. Reduces the size of a file by getting rid of the redundancy in the file using short codewords to represent more frequent strings of bits and longer codewords to represent those that occur less often. This process is reversed to get back the original file.

EXTRA-CURRICULAR ACTIVITIES

Member *The National Society of Collegiate Scholars*, UC Riverside
Member *Math Club*, UC Riverside