Sam Wang

2300 Nueces St. #715
Austin, Texas 78705
T 915-667-3225
samwang@utexas.edu
http://samguwang.com

Education

- University of Texas at Austin (*Expected Graduation: May 2016*)
  Pursuing B.S. in Computer Science

Technical Skills

Programming Languages:

- **Proficient:** Java
- **Exposure to:** Python, C, Git, Lisp, and x86 Assembly Code (32-bit)

Applications and Platforms:

- Windows, Mac OSX, Adobe Lightroom 5, BlueJ, Eclipse, Adobe Photoshop, Adobe InDesign, Emacs, and Wordpress. Proficient in command line interface through Linux.

Projects

MapReduce Implementation (Similar to Hadoop), Java, Fall 2013

- Implemented a simplified version of MapReduce using methods *map* and *reduce* to manage big data.

Djikstra's Algorithm Implementation, Java, Fall 2013

- Implemented a version of Djikstra's, Prim's, and A* search with provided algorithm code to analyze a graph representing cities and highways of the state of Texas.

Stack Machine Simulator, C, Spring 2014

- Implemented a simulator for a stack machine with 17 instructions in the instruction set through C.

Single Cycle Processor Simulator, Java, Spring 2014

- Implemented a simulator for a simple instruction set architecture through Java with 7 instruction, 4 8-bit registers, an 8-bit PC, and an 8-bit result register.

Coursework

- Data Structures and Algorithms
- Discrete Mathematics for Computer Scientists
- Computational Evolution Research
- Computer Organization and Architecture (Currently Taking)
- Introduction to Java Programming

Extra Curricular Activities

- **ACM** (Association of Computing and Machinery), **Texas Photography Club**
- **Freshman Research Initiative:** Worked with large amounts of data through linux command line involving groundbreaking research on evolutionary processes through computer science.