Cannon Lewis

http://www.github.com/cannon10100
cannon10100@gmail.com | 210-305-9061

EDUCATION

RICE UNIVERSITY
Cumulative GPA: 3.886 / 4.0

BS in Computer Science
Expected May 2018 | Houston, TX
Department of Engineering
Major GPA: 3.987 / 4.0

BA in Mathematics
Expected May 2018 | Houston, TX
Department of Natural Sciences
President's Honor Roll (All Semesters)
Major GPA: 3.798 / 4.0

LINKS

Github:// **cannon10100**
LinkedIn:// **cannonlewis2**
Twitter:// **@that_cannon_guy**

COURSEWORK

COMPUTER SCIENCE
Computational Thinking
Algorithmic Thinking (Expected Teaching Asst)
Fundamentals of Computer Engineering
Introduction to Program Design
Functional Programming

MATHEMATICS
Honors Calculus 3 & 4 (Teaching Asst)
Complex Analysis
Honors Real Analysis
Honors Linear Algebra

SKILLS

PROGRAMMING
Proficient
Java • Shell • Python • Scala
Haskell • Ruby • C/C++

Familiar
HTML • Javascript • CSS • PHP•
Typescript • Node.js • Assembly •
Linux System Administration

EXPERIENCE

RICE MATH DEPARTMENT | Teaching Assistant
Aug 2015 – Present | Houston, TX
- TA for Honors Calculus 3 (Fall '15) and 4 (Spring '15 Expected)
- Led Help Sessions to assist students with homework assignments
- Clarified lecture material

RICE IT DEPARTMENT | Student Computer Consultant
Jan 2015 – Present | Houston, TX
- Assisted students and faculty at Rice with computer repairs, virus scans, data backup, and software installation
- Helped to maintain and improve a Linux-based system of connected Drobo bays
- Provided consultation for common computer problems and hardware purchases

RACKSPACE | Software Development Intern II
May 2013 – Aug 2013 | San Antonio, TX
- Migrated several internal Rails 2 apps to Rails 3.
- Collaborated with a fellow intern to revamp an internal campus map app using Sinatra.

RACKSPACE | Software Development Intern I
July 2012 – Aug 2012 | San Antonio, TX
- Rewrote parts of billing software in Java to make use of actor-based parallelism
- Collaborated with two fellow interns using agile methodology

RESEARCH

WAH CHIU LAB | CPRIT Undergraduate Research Fellow
May 2015 – Aug 2015 | Baylor College of Medicine, Houston, TX
- Researched various modern methods in electron microscopy, electron tomography, molecular biology, and subcellular oncology
- Developed and improved software in the EMAN2 tomography library using Python and C++ (http://blake.bcm.edu/emanwiki/EMAN2)
- Tested various micrograph filtering methods
- Wrote and presented a poster on my findings regarding pre- and post-filtering of electron tomograms

AWARDS

2015	Regional	CPRIT Summer Undergraduate Fellowship
2014/2015	Top 30% GPA	Rice University President's Honor Roll