# Cannon Lewis

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

## EDUCATION

### RICE UNIVERSITY
Cumulative GPA: 3.886 / 4.0

### BS IN COMPUTER SCIENCE
Expected May 2018 | Houston, TX
School of Engineering
Major GPA: 3.987 / 4.0

### BA IN MATHEMATICS
Expected May 2018 | Houston, TX
School of Natural Sciences
Major GPA: 3.798 / 4.0

## LINKS

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

## COURSEWORK

### COMPUTER SCIENCE
Computational Thinking
Algorithmic Thinking (Teaching Asst)
Fundamentals of Computer Engineering
Introduction to Program Design
Functional Programming (Teaching Asst)
Introduction to Computer Systems
Principles of Parallel Programming

### MATHEMATICS
Honors Calculus 3 & 4 (Teaching Asst)
Complex Analysis
Honors Real Analysis
Honors Linear Algebra (Teaching Asst)
General Topology
Abstract Algebra I

## SKILLS

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

Familiar
HTML • Javascript • CSS • PHP•
Typescript • Groovy • Haskell

## WORK EXPERIENCE

### RICE MATH & CS DEPARTMENTS | TEACHING ASSISTANT
Aug 2015 – Present | Houston, TX
- Led "Help Sessions" to assist students with homework assignments
- Clarified lecture material
- Graded homework assignments

### 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

### TWO SIGMA | SOFTWARE ENGINEERING INTERN
May 2016 - August 2016 | New York City
- Worked as a software engineer embedded in a statistical research team
- Implemented various statistical analyses as scripted aggregations in Elasticsearch using Groovy
- Designed and built RESTful web frontend for statistical tools using HTML/CSS/Javascript and Python/Tornado

### 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

| | | |
|---|---|---|
| 2016 | Regional | Excellence in Collegiate Journalism - Critical Review |
| 2015 | Regional | CPRIT Summer Undergraduate Fellowship |
| 2014-Present | Top 30% GPA | Rice University President's Honor Roll |