

# Cannon Lewis

<http://www.github.com/cannon10100>  
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## 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

Major GPA: 3.798 / 4.0

## LINKS

Github:// [cannon10100](https://github.com/cannon10100)

LinkedIn:// [cannonlewis2](https://www.linkedin.com/company/cannonlewis2)

Twitter:// [@that\\_cannon\\_guy](https://twitter.com/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 '16 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

## MISCELLANY

- I enjoy running, biking, and calisthenics. Most recently, I competed in the San Antonio Rock and Roll half marathon.
- I am an avid reader of both fiction and nonfiction, particularly in the areas of science fiction and cognitive philosophy.
- I have studied both Italian and Spanish, and am currently able to understand and speak both at a rudimentary level.