

Cannon Lewis

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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

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)
- Led Help Sessions to assist students with homework assignments
- Clarified lecture material

RICE IT DEPARTMENT | STUDENT COMPUTER CONSULTANT

Jan 2015 – Present | Houston, TX

- Assist students and faculty at Rice with computer repairs, virus scans, data backup, and software installation
- Help to maintain and improve a Linux-based system of connected Drobo bays
- Provide 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-Present	Top 30% GPA	Rice University President's Honor Roll

MISCELLANY

- Enjoy running, biking, and calisthenics. Most recently, I competed in the San Antonio Rock and Roll half marathon.
- Avid reader of both fiction and nonfiction, particularly in the areas of science fiction and cognitive philosophy.
- Studied both Italian and Spanish, and am currently able to understand and speak both at a rudimentary level.
- Theater critic for the Rice Thresher