

# Heman Gandhi

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## EDUCATION

### Rutgers New Brunswick

Honors College, SAS  
BS in Computer Science and  
Mathematics  
Expected Grad. May 2019

### WWP High School South

Grad. May 2015  
GPA: 4.33

## SKILLS

### Languages:

Clojure, Python, Java  
JS, Haskell,  
CUDA, C, C++, C#

### Tools & Libraries:

Git, Visual Studio,  
Bash Shell, Neo4j,  
jQuery, Google APIs

## COURSEWORK

### CS

Data Structures  
Data 101  
Computer Architecture  
Systems Programming

### Math

Real Analysis  
Linear Algebra  
Abstract Algebra

## ACTIVITIES

USACS Tech Chair  
HackRU Director of R&D  
HCAIly Mentor program

## AWARDS

Dean's List  
Scarlet Scholarship

07.15.2017

## EXPERIENCE

### HackNY - Skillshare Inc.

May 2017 - Aug 2017

Engineering Intern

New York, NY

Performed full-stack development to maintain the website and aid the adoption of ReactJS. Executed various tasks to maintain and refactor the large Yii (PHP) code-base and MySQL database. Furthermore, enjoyed understanding the NY startup scene through the all-encompassing HackNY Fellowship.

### Rutgers CS Department

Feb 2017 -

Grader, CS 415 (Compilers)

New Brunswick, NJ

Helping to design and grade CUDA-based projects as the course intends to introduce parallel programming.

### Optum Inc.

Jun 2016 – Aug 2016

Talent Development Program Intern

Basking Ridge, NJ

Using C#, implemented various finite-state machines and a tokenizer to parse COBOL code to extract variable meta-data. Improved the extraction program to read the 120,000+ files from the mainframe and load data onto a database within 2 hours, down from 2 days for a handful of the files.

### Mphasis Inc.

Jun 2015 – Aug 2015

Software Engineer Intern

New York, NY

Using the WAMP protocol through AutobahnJS and Crossbar.io, helped design and implement a multi-screen interactive application with a ProcessingJS, jQuery, and Bootstrap front-end.

🔗 Available on GitHub

## PROJECTS

### Aud.io

Best Failure to Launch, HackPrinceton Spring 2017

Built a Python Flask app that hoped to send snippets of songs via Facebook messenger (instead of GiFS) so that song lyrics could be added to group chats. Got song lyric-based search working but could not find the correct snippet of the song.

🔗 Available on GitHub

### Keyboard Keyboard

Best Hardware Hack, Hack NY, Fall 2016

In a team of two, created a python tool with pyaudio and scipy to recognize audio input to simulate a keyboard and produce sound output for keyboard input, helping blind people to interact with the keyboard.

🔗 Available on Github