

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
HCally Mentor program

AWARDS

Dean's List
Scarlet Scholarship

08.07.2017

EXPERIENCE

HackNY - Skillshare Inc.

May 2017 - Aug 2017

Engineering Intern

New York, NY

Performed full-stack development to maintain the website.

Executed various tasks to maintain and refactor the large Yii (PHP) code-base and MYSQL database.

Enjoyed understanding the NY startup scene and meeting incredible people 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