

Heman Gandhi

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EDUCATION

Rutgers New Brunswick

Honors College, SAS
BS in Computer Science and
Mathematics
Expected Grad. May 2019
Cum. GPA: 3.94

WWP High School South

Grad. May 2015
GPA: 4.33

SKILLS

Languages:

Clojure, Python, Java
JavaScript,
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

HCAIly Mentor program
HackRU Director of R&D

AWARDS

Dean's List
Scarlet Scholarship

04.18.2017

EXPERIENCE

Rutgers CS Department

Grader, CS 415 (Compilers)
Helping to design and grade CUDA-based projects as the course
intends to introduce parallel programming.

Feb 2017 -

New Brunswick, NJ

Optum Inc.

Talent Development Program Intern
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.

Jun 2016 – Aug 2016

Basking Ridge, NJ

Mphasis Inc.

Software Engineer Intern
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.

Jun 2015 – Aug 2015

New York, NY

🔗 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

GIFS Against Humanity

HackPrinceton, Fall 2016

Learned Node.JS and Socket.io to implement a parody of cards
against humanity where cards are replaced by GIFS. Socket.io
multi-cast messages were used to allow for chatting in addition to
game-play.

🔗 Available on GitHub