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: 4.0

WWP High School South
Grad. May 2015
GPA: 4.33

SKILLS

Languages:
Clojure, Python, Java
JavaScript,
R, C, C++, C#,
OCaml
Databases:
Neo4j
Tools & Libraries:
Git, Visual Studio,
Bash Shell,
Cemerick, Friend,
jQuery, Google APIs

COURSEWORK

Data Structures
Data 101
Computer Architecture
Systems Programming
Discrete Mathematics
Calculus III

ACTIVITIES

HCAlly Mentor program
HackRU Director of Internet

AWARDS

Dean's List
Scarlet Scholarship

10.10.2016

EXPERIENCE

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.
 Availible on GitHub

PROJECTS

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

Project Evermore
Top 10, Philly Codefest 2016
Built a web page to help disabled people report inaccessible
buildings or paths. Used PHP backend with jQuery and the Google
Maps API.
 Available on GitHub

Wait-list Exchange
Best Overall, Codeday 2016
In a team of two, created a wait-list exchange python and jQuery
website which allows users to communicate to trade assets between
multiple people.
 Available on GitHub

Bene-fish
Used the Python standard library, jQuery, and JSON to create a
free-cycling web site with blog-like features and OAuth from
Google APIs.
 Available on GitHub