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,
R, C, C++, C#, OCaml
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

HCAlly Mentor program
HackRU Director of R&D

AWARDS

Dean's List
Scarlet Scholarship

EXPERIENCE

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.
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

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

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

03.03.2017