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: 3.88

SKILLS

Languages:
Clojure, Python, Java
JS, Haskell,
CUDA, C, C++, C#
Tools & Libraries:
Git, MongoDB, ExpressJS
Bash Shell, Neo4j,
jQuery, Flask

COURSEWORK

CS
Operating Systems
Algorithms
Combinatorics
Formal Languages
Compilers

Math
Real Analysis
Abstract Algebra
Linear Optimization

PROJECTS

PTX Super-optimizer
Aud.io
Keyboard Keyboard
GiFS Against Humanity

AWARDS

Took Putnam 2016
Scarlet Scholarship

10.15.2018

EXPERIENCE

DIMACS   May 2017 - Aug 2017
REU Student   Rutgers, New Brunswick
Researched Grothendieck Polynomials (in Schubert Calculus) to try to prove conjectures formulated by Professor Anders Buch. Enjoyed learning about the pure mathematics research project as various lemmas and formulae were proven throughout the summer.

HackNY - Skillshare Inc.   May 2017 - Aug 2017
Engineering Intern   New York, NY
Performed full-stack development to maintain the PHP and MYSQL website.

Rutgers CS Department   Feb 2017 - Dec 2017
Independent Study   New Brunswick, NJ
Researched shortest-path finding algorithms on the GPU. Helped design and implement a concurrent heap structure that supported batch inserts on the GPU.

Optum Inc.   Jun 2016 – Aug 2016
Talent Development Program Intern   Basking Ridge, NJ
Using C#, implemented a tool to parse COBOL code to extract variable meta-data. Read the 120,000+ files from the mainframe 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. Availible on GitHub

LEADERSHIP & EXTRACURRICULARS

HackRU R&D   Jan 2017 -
Helping project manage for the creation of tools for HackRU. Leading projects to make a slackbot, QR-code based registration, a web-based judging system, and the FaaS registration website, among other things.
Available on GitHub

USACS Tech Chair   Apr 2017 - Apr 2018
Coordinate various events to help inspire and keep people hacking. These include monthly coding competitions, pre-Hackathon coordination, and helping with various open source efforts.
Check out our website!