Rohith Rokkam

education
Stony Brook University
B.S. Comp. Sci., Math
Honors Colleges
GPA: 3.94
expected graduation 2019

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interests

concurrent data structures, high-performance computing, algorithm design

experience

2018   **Intern @ Sandia National Labs, Albuquerque, NM**
Contributed to parallelization facilities for PEBBL, an MPI-based C++ framework for branch-and-bound algorithms

projects

2018   **Peer-to-peer Filesystem**
Guest list recommendation for Facebook events based on friends already attending the event.

2018   **Terminal Chat Client**
Automatic community detection among Facebook Friends in order to validate the *cohesion* measure, creation of friend lists.

2018   **Packet Sniffer**
Experiment aimed to measure viral spreading of content across the blogosphere.

2017   **Dynamic Memory Allocation Library**
Experiment aimed to measure viral spreading of content across the blogosphere.

2017   **Shell**
A bash-like shell written in C with bash-like redirection and job control.

2017   **Memcached Clone**
An in-memory caching service in C using a custom thread-safe queue and hashmap.

2016   **Navigation System**
A GPS developed in Java using data from OpenStreetMap and an XML parser. Implements Djikstra's shortest-path algorithm to calculate routes.

teaching

2018   **Teaching Assistant: Theory of Computation**
Wrote & graded homework; taught as a substitute

2017   **Teaching Assistant: Foundations of Computer Science**
Instructed 20-person recitation section