SEN LI

700 Health Sciences Dr. ◇ Stony Brook, NY 11790
(631) · 880 · 9883 ◇ lisencn11@gmail.com

EDUCATION

Beijing University of Posts & Telecommunications *Sep. 2011 - June 2015*
B.S. in Computer Science Overall GPA: 3.3/4

State University of New York at Stony Brook *Aug. 2015 - Present*
M.S. in Computer Science Cummulative GPA: 3.75/4

COURSE PROJECT

State University of New York at Stony Brook Jan. 2016 - Present
Fundamental of Computer Network *Stony Brook, NY*

· Design & implement DNS resolver based on Java & dnsjava library. In response to an input query, the resolver will first contact the root server, then the top-level domains, all the way down to the corresponding name server to resolve the DNS query.

State University of New York at Stony Brook Aug. 2015 - Dec. 2015
Unix Network Programming *Stony Brook, NY*

· Design & implement C language UDP socket based client & server file transfer programs. Introducing application-layer protocol data-transmission reliability, flow control & congestion control in the client & server using TCP-like ARQ sliding window mechanisms.
· Design & implement C language TCP socket based client & server echo programs using I/O multiplexing, child processes on client & multi-threads on server.
· Design & implement an ODR protocol for routing messages in networks of arbitrary & unknown connectivity, using C language PF_PACKET socket. The implementation is base on the AODV algorithm. Use Unix domain datagram sockets to enable applications communicating locally at their nodes.

Beijing University of Posts & Telecommunications Jan. 2015 - June 2015
Stocking Analysis Website *Haidian, Beijing*

· Implement Node.js & Mongodb based stock index calculation functions based on Express framework on server side. Using history transaction record calculates prediction index for future & displays the index by Highcharts library on the client browser.

AWARD & HONORS

Third-Class Scholarship Winner in BUPT

Outstanding League member in BUPT

TECHNICAL STRENGTHS

Computer Languages C, C++, Java, Prolog, JavaScript
Tools SVN, Vim, Eclipse