

SEN LI

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OBJECTIVE

New Grad Full-time Software Development Position in 2017

EDUCATION

Beijing University of Posts & Telecommunications
B.S. in Computer Science

Sep. 2011 - June 2015
Overall GPA: 3.3/4

Stony Brook University
M.S. in Computer Science

Aug. 2015 - Present
Cumulative GPA: 3.82/4

PROJECT EXPERIENCE

Stony Brook University

Jan. 2016 - June 2016

Stony Brook Hospital Cardiaca Project

Stony Brook, NY

- A web application for documenting cardiac arrest situations and CPR methods in Node.js/Mongodb.
- Implemented statistic visualization of cardiac arrest situations and CPR methods in D3.js.
- Implemented database schema and insert/select modules in Node.js/Mongodb/Mongoose.

Stony Brook University

Jan. 2016 - May 2016

Children Mortality Factors Visualization

Stony Brook, NY

- Implemented data analysis modules to get most related factors of children mortality using correlation analysis in Python/Flask/Numpy/Sklearn.
- Implemented data visualization of children mortality rate with world map in D3.js/Datamaps.
- Implemented various forms of visualization including water drop, force directed graph and 3d plot.

Stony Brook University

Jan. 2016 - May 2016

Fundamental of Computer Network

Stony Brook, NY

- Implemented simulation & performance analysis tool for HTTP1.1 & SPDY in Node.js/Emulab.
- Implemented performance analysis tool for Wireshark pcap files to get statistic data for the file in Java.
- Implemented an iterative DNS resolver to get an IP address for a given domain name in Java/dnsjava.

Stony Brook University

Aug. 2015 - Dec. 2015

Unix Network Programming

Stony Brook, NY

- Implemented TCP socket clock application using I/O multiplexing, multi-process for clients and multi-thread for server in C.
- Implemented UDP socket client & server file transfer programs with TCP-like reliability in C.
- Implemented an ODR protocol using PF_PACKET socket based on AODV algorithm in C.

TECHNICAL STRENGTHS

Computer Languages
Tools

Node.js, Java, C, C++, Python, Prolog, JavaScript, Html
Git, Vim, Eclipse