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Targeting an Entry-Level Position as a…

## Software Engineer

* Recent graduate of WPI’s MS in CS program whose academic credentials are reinforced by delving into research projects resulting in **publications of papers and a book**, and by consistently learning new techniques and cutting edge knowledge such as **high performance computation** and machine learning.
* Consistently commended by professors for programming skills and concentration on work.
* Great team player in several team projects and interns.

## Technology Highlights

Programming: C++ 11 (7 years), Python 2/3 (2 years), JAVA (3 years), MATLAB (1 year), shell script (1 year), LaTex (1 year), Markdown (1 year);

Libraries/API: Linux sockets, OpenCV, NumPy, Qt;

HPC: CUDA, MPI, AWS, Spark;

Databases: MySQL, Oracle, MS SQL Server;

OS: \*nix (main working OS), OS X, Windows;

Mathematical programming: CPLEX, AMPL, CVX.

## Internship

Tellyes Ltd. Co. April, 2013 to May, 2013

High performance computation (CUDA) Intern

* Participated into one project during the one month-intern, working with a mentor.
* Accelerated a CPU based C++ image processing program with CUDA GPU computation framework.
* Extracted the data from original ITK data structures; processed the raw data in hierarchical GPU memory.

## Projects

### Computer Network Protocol Simulation

* Team leader of a 3 person’s team.
* Simulated Go-Back-N and Selected repeat algorithm of TCP.
* Wrote an application running on the simulated protocol.
* Used the Linux sockets interface.

### Database System and Application

* Team leader of a 3 person’s team.
* Designed a database for storing information of personal collections.
* Wrote a manage system with Qt SDK

### Distributed Computation Program

* Deployed an OpenMPI based distributed computation system on several virtual machines
* Implemented X algorithm on Dancing Links structure paralleled by MPI to take advantage of the nature of independence of the different phase of the algorithm.

## Education

WORCESTER POLYTECHNIC INSTITUTE, Worcester, MA

Master of Science, Major in Computer Science, Aug, 2013 – Oct, 2015

* Graduated with publication of **2 Journal papers** and **a book**.
* Delved into 3 different projects simultaneously, working happily with all the 3 advisors.