**Zhijian Li**

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**EDUCATION**

**Georgia Institute of Technology** Atlanta, Georgia (2014 - 2018)

* Pursuing Bachelors in Computer Science
* Major GPA: **3.5**

**Major Related Courses of Study**

* + Data Structures and Algorithms
  + Machine Learning
  + Systems and Networks

**High School: Acton-Boxborough Regional HS** Acton, Massachusetts (2010 - 2014)

**WORK EXPERIENCE**

**Randstad / Entegris: Internship, Billerica, MA**  (5/1/15 - 8/14/15)

* + Met the needs of the supervisor in creating a program to automate data aggregation and collection (batch/vbs)

**Undergrad Research:** Georgia Tech, Atlanta

* Approximate Computing. (C++, HTML, CSS, JS)
* Finding ways of approximating computation that increases performance, but still maintains acceptable quality

**PROJECTS**

**Github: zbolmb**

Fluid Dynamic Simulation: Java, JavaFX

* Implemented fluid dynamic algorithm into a working GUI tailored to supervisor’s needs
* Used multiple threads to run simulations and animations
* Multiple windows (Stages), Interactive GUI

M.U.L.E: Java, JavaFX, Git

* Recreating an old classic Atari game
* Multiple Package Project

GBA: C

* Created GBA games using C. Utilized DMA (Direct Memory Access) for garphics.

Processor: (Logism)

* Created 16 bit processor consisting of a datapath, microcontrol unit and ALU.

Malloc: C

* Recreated malloc in C (not using realloc), by creating and maintaining a free list

**LEARNING EXPERIENCE**

* Enrolled in Cyber Security Program
* Java (2 years), Scripting: VBS, Batch (1 year), Python (1 year)
* Good understanding of data structures
* Understand graph search, string parsing, dynamic programming, max flow and time complexity