# Wesley Cheung

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## EDUCATION:

**Georgia Institute of Technology, Atlanta, GA**                                    **Aug 2015 – May 2019 (Expected)**
- Bachelor of Science in Computer Science
  - Concentration: Information Internetworks, Intelligence
- Bachelor of Science in Mathematics
  - Concentration: Discrete Math
- Current GPA: 3.94

## EXPERIENCE:

**Georgia Tech College of Computing – Teaching Assistant (Atlanta, GA)**        **Jan 2017 – May 2017, Jan 2018 – Present**
- Meet weekly with students to tutor and provide further understanding for the class
- Grade homework, tests, and projects
- Hold office hours to ensure students comprehend course concepts

**Emory Department of Math And Computer Science – NLP Research (Atlanta, GA)**        **July 2017 – Aug 2017**
- Studied state of the art natural language processing techniques
- Implemented the CBOW word embedding model on the MXNet framework
- Explored using MSTs on word embeddings with the goal of classifying direct objects of prepositional phrases

## PROJECTS:

**BattleForm – (HTML, JavaScript, DynamoDB, Amazon AWS)**
*A gamified way to submit forms through a 2-D side-scroller shooter*
- Fun and interactive way to submit forms using a game built entirely on JS
- Pushes submission to an AWS endpoint to be stored in a DynamoDB for easy management and access

**Securities Risk Alert – (HTML, JavaScript, PHP, MySQL, BootStrap, Aladdin API, Twilio SMS)**
*A full-stack web application which allows users to privately log their stock portfolio and analyze it with BlackRock's API*
- Stores users stocks and gives real-time analysis of the entire portfolio through Aladdin
- SMS messages users whose portfolio's risk index drops below a set threshold

**AudioShuffler – (Java, JavaFX, JIntelliType)**
*A solution to play songs without having to load a bulky application such as iTunes*
- Able to play any local audio file supported by JavaFX in a pseudo-random fashion
- Controlled either by GUI or hotkeys provided through the JIntelliType framework
- Implemented volume control, play/previous/pause functions with system tray access

## AWARDS:

Runner up for Best BlackRock API Implementation at HackGT 2016
Qualified and placed 11th at CSAW cybersecurity CTF competition 2016
Qualified and placed 5th at CSAW cybersecurity CTF competition 2017

## SKILLS:

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|---|---|---|---|
| **Programming** | Java, C/C++, Python, CUDA | **Web** | HTML, CSS, JavaScript, PHP, NodeJS |
| **Database** | MySQL, SQLite | **Frameworks** | MXNet, WEKA, sklearn, jQuery, JavaFX |
| **Software** | Git, GDB | **OS** | Unix/Linux, Windows |

## ACTIVITIES:

**Georgia Tech GreyHat (Cyber Security Club)**                                    **Aug 2015 – Present**
**Georgia Tech Programming Team**                                    **Aug 2016 – Present**

## LEADERSHIP:

**Georgia Tech GreyHat CTF Captain –** *Held practices and coordinated GT CTF team*        **Jan 2017 – Present**