

Marcus Loo

School Address: 329173 Georgia Tech Station • Atlanta, GA 30332

Permanent Address: 50 North 5th Street • Park Ridge, NJ 07656

(201) 788-8118 • mloo3@gatech.edu

Objective

To obtain a summer internship that will help me gain experience and learn about the industry and career opportunities available.

Education

Georgia Institute of Technology

Atlanta, GA 30332

Aug 2015 – Present

- **Major:** Computer Science
- **Threads:** Info Internetworks, Intelligence
- **GPA:** 3.65
- **Expected Graduation:** May 2019

Projects

Rubik's Cube 2x2 Solver Android Application (<https://github.com/jiangshen/Rubik-sCube2x2Solver>) Atlanta, Georgia

Oct 2015

- Created an image and color detection to identify each side and color of the cube
- Mapped the cube to a matrix and used our own implementation of the Ortega Method to display to the user
- Won the grand prize in the Georgia Institute of Technology's 2015 Appathon

Koalaudio (<https://github.com/wcheng47/koalaudio>)

Atlanta, Georgia

Sep 2016

- Created a web app that allows users to synchronize videos and converse with each other
- Utilized the IFrame Player API, Bootstrap, Javascript, Django, python

CS4400 (<https://github.com/yxieGT/CS4400>)

University of Barcelona, Spain

May 2016 – Jul 2016

- Created an EER diagram and mapped it into relational tables
- Made SQL statements to query the populated tables
- Created a GUI using Tkinter to query the database

Müveé (<https://github.com/sudeepag/MovieSelector>)

Atlanta, Georgia

Feb 2016 - Apr 2016

- Movie app based on the Rotten Tomatoes API
- Able to create review and post review on Facebook
- Worked on the login page and connected user details to Firebase
- Implemented the RecyclerView to display movies and reviews

Lucid (<https://github.com/mloo3/Lucid>)

University of Barcelona, Spain

Jul 2016

- Chrome extension that modifies the CSS to increase readability for impaired users
- Has color highlighting, font size change, and bolding font.
- Use SMMRY to paraphrase the text of a webpage

Optimization of a Chem-E-Car

New Brunswick, NJ

Jun 2014 - Jul 2014

Governor's School of Engineering and Technology

- Worked with Dr. Fuat E. Celik to find cheaper alternatives to the Chem-E-Car
- Wrote the Results and Discussion section of the research paper (<http://tiny.cc/Optimization-of-Chem-Car>)
- Presented research at a research symposium

Skills/Courses

Languages: Java - advanced, Python, SQL, Javascript

Skills: Android, Arduino, Django, Bootstrap, Raspberry Pi

Musical Instruments: Violin (10+ years), Alto and Tenor Saxophone (10+ years), Guitar (7 years), Bass Guitar (1 year)

Spoken Languages: English – Native, Mandarin - Intermediate, German – Intermediate

Operating Systems: Windows, OS X, Red Hat, Ubuntu

Computer Science Courses: Object Oriented Programming, Data Structures and Algorithms, Objects and Design, Introduction to Database Systems, Design of Online Communities

Mathematics Courses: Linear Algebra, Intro to Multivariable Calculus, Discrete Math

Work Experience

Student System Administrator

Atlanta, Georgia

Feb 2016 - present

- Assisted Professors from the School of Mathematics with their technological problems
- Re-designed automated printer scripts to properly connect to the printer server

Activities

- Barcelona Summer Program
- Georgia Tech Big Data Club
- GreyHat Information Security
- HackGT 2016 Volunteer

May 2016 – Jul 2016

Jan 2016 - present

Aug 2016 – present

Sep 2016

List of Current Courses

- Environmental Science, the Earth System, and Climate
- Intro to Physics 1
- Computer Organization and Program
- Applied Combinatorics