

# Andrew Chang

Nationality: USA

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🕒 timeforchang

## Objective

Develop a career in data security analysis, security enhancement, and software development

## Experience

[Jia-Jia-at West Market Hotel](#), Website Development Intern; Tainan, Taiwan Summer 2017

- Created v2.0 of the hotel website with improved site speed, user activity, and Google Index ranking
- Acted as webmaster for the hotel's website, boosting its site speed by 30%, weekly users by 15%, Google Index from 6th to 1st, and decreased the site bounce rate by 13% using Google Analytics to track and analyze visitors
- Translated from Traditional Chinese to English and vice versa

[Wochacha](#), Data Management Intern; Shanghai, China

Summer 2016

- Used mySQL to shadow engineers managing nation-wide grocery store product price data using extraction, insertion, uploading, and testing
- Designed the UI for the v7.0 release of the mobile application

[ABB Inc](#), Software Development Intern; Shanghai, China

Summer 2015

- Developed industrial robot calibration software tool for iOS devices in Swift 1.0
- Relays information about the orientation of the iOS device on a surface to the robot through a TCP/IP socket so the robot can be calibrated with higher accuracy while also saving time during factory setup

## Education

[Georgia Institute of Technology](#), Atlanta, Georgia; B.S. in Computer Science 2016 - 2020

- Concentration in Systems and Architecture and Information Internetworks
- Minor in International Affairs
- GPA: 3.79/4.00
- Courses: Data Structures and Algorithms; Computer Organisation and Programming; Systems and Networks; Objects and Design; Design and Analysis of Algorithms; Applied Combinatorics

## Projects and Activities

[Robojackets](#), Robot Sumo Team Software Engineer

2016 - present

- Developed code in Arduino for current robot to run autonomously
- Looking to develop proof-of-concept for a machine vision system for future robot iterations

[MadH@tters](#), Team Member

2017 - present

- Member of Georgia Tech's Capture the Flag team to practice protecting and attacking data

[Name Picker](#), random name generator; HTML/CSS/Javascript

2017 - present

- Created a website that uses Google Firebase to simulate picking a name out of a hat
- Users can also submit their own names and will be provided a random key for their own list

## Skills

**Software** Java, Python, C, Swift, HTML/CSS/Javascript, Assembly, MySQL, Android

**Languages** English, Mandarin, Japanese