# Ruinan Wang

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## EDUCATION

**Georgia Institute of Technology,** Atlanta, GA                                    May 2016 – Present
- Candidate for Bachelor of Science in Computer Science                Expected Graduation: May 2020
- Threads: Intelligence and Information networks
- Overall GPA: **4.0**/4.0 (Major GPA: 4.0/4.0)

## SKILLS

**Programming Languages**: Java, Python, SQL, PHP, HTML, CSS, JavaScript, C, Single-chip assembly language
**Applications**: Web Applications, Mobile Apps, Robotics Control
**Fluent Languages**: English, Chinese (bilingual)

## WORK EXPERIENCE

**Software Engineering Internship**                                                   May 2018 - Present
*Next Jump,* New York City, NY
- Programmed the backend of the "Perks At Work" e-commerce platform using Go, PHP, and SQL server
- Designed and integrated the user profile component that tracks and records user actions on the site
- Utilized the user profile to make customized purchase suggestions for users on the website homepage
- Increased company revenue and made an impact of over thousands of user-traffic per day

**Computer Science Teaching Assistant**                                          August 2017 – January 2018
*Georgia Institute of Technology,* Atlanta, GA
- Assisted the professor with teaching Discrete Mathematics for Computer Science
  - Taught recitation, which covers proof methods, recursion, counting, computability and order of growth algorithms over discrete structures.
  - Graded homework and exams, and hold office hours to help students in need

**Software Engineering Internship**                                                  July 2017 – August 2017
*DHC Software Co.,* Beijing, China
- Contributed to the design of a new Customer Relationship Management (CRM) software project
  - Programmed the back-end of CRM model using Java
  - Simplified and increased the efficiency of personnel and customer management

**Undergraduate research assistant,** NSFREU participant                    January 2017 – June 2017
*Interactive Computing – CSL Lab,* Georgia Institute of Technology, Atlanta, GA
- Worked with professor Mark Guzdial and increased e-book platform users to 29000 daily users
  - Initiated a sound API to enable media computation python to JavaScript translation in interactive e-book
  - Analyzed and integrated Skulpt modules from a cloud-based IDE

## PROJECTS AND AWARDS

**SnackMe React Native Application Development**                                 June 2018– Present
- Developed the backend of a snack rating and feedback react native application

**Snap-N-Fly Android Application Development**                              October 2017 – November 2017
- Programmed the backend of an Android App that takes in a landscape photo, and recognizes the landscape name, landscape location, and customizes a flight search from the user location to landscape city.
- Utilized the Google Map API and Microsoft Computer Vision API in the project

**Treasure Hunt Gameboy Development**                                    September 2017 – November 2017
- Implemented a Gameboy game on Linux system using C
- Programmed the front end of the game through pixel manipulation

**Habit Pets Web Application Development**                                September 2016 – February 2017
- Integrated modern gamification and virtual pets for affection-oriented education and habit building
  - Based front-end programs on JavaScript, JQuery and bootstrap, and back-end programs on PHP, MySQL, the CodeIgniter framework

## ACTIVITIES

### Social services
*SMS Mobile Application to Track Rat Sites,* Atlanta, Georgia                    January 2018 – Present
- Used the Twilio API to build Rat-Chat, an application that receives SMS messages of rat site complaints in community and stores rat data in SQL database for later data analysis
- Helped low-income and less-developed communities improve their living conditions

### Leadership
*Vice President of Operations,* GT Undergraduate Consulting Club, Atlanta, GA    June 2015 – December 2017