

# Rachel Yuan

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## EDUCATION

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### The University of North Carolina at Chapel Hill

May 2019

- Bachelor of Science in Computer Science
- **Relevant Coursework:** Foundations of Programming, Robotics with Legos, Data Structures, Computer Organization, Computers and Society, Discrete Structures, Modern Web Programming, Multivariable Calculus, Linear Algebra, Introduction to Probability, Algorithms and Analysis, Models of Language and Computation
- **GPA:** 3.45

### North Carolina School of Science and Math, High School

June 2015

## TECHNICAL EXPERIENCE

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### Pearl Hacks, All-Female Hackathon at UNC Chapel Hill

- Collaborated with three other students to engineer 1-2-3-4cast, an **Android mobile application** that suggests an outfit based on the user's weather and location, with the use of **Android Studio**
- Implemented **Google Maps API** in order to receive the user's location
- Created a **JSON parser** to dissect information from Weather Underground API, a **weather API**
- Set up user interface with **XML**

### Raspberry Jam, Hardware Hackathon at UNC Chapel Hill

- Used Python and Raspberry Pi to create Moviebot, a **Twitter bot** that tweets a random movie hourly
- Wrote **JSON parser** to extract data from a OMDb API, a **movie database API**
- Sent POST request to Twitter API via **Twython**, a Twitter Python library

## LEADERSHIP EXPERIENCE

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### COMP 380, Undergraduate Teaching Assistant

August 2017—Current

- Help teach COMP 380: Introduction to Digital Culture, a class with around 80 students
- Lead discussions about topics such as the gender disparity in tech fields and the history of computers

### Pearl Hacks, Marketing Director

August 2016—Current

- Organize Pearl Hacks, North Carolina's oldest all-female hackathon
- Oversee communication between the rest of the executive board and the participants
- Coordinate creation of the official website by the website programming team

### Women in Computer Science, Vice President

August 2016—Current

- Provide a safe space for women in tech to support and meet other women in tech
- Hold workshops to teach basic programming skills

### COMP 401, Undergraduate Teaching Assistant

August 2016—May 2017

- Helped teach COMP 401: Introduction to Functional Programming, a class with hundreds of students
- Held 10 hours of office hours each week to explain assignments and aid students in debugging
- Assisted graduate teaching assistant in leading weekly recitation

## SKILLS & HONORS

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**TECHNICAL:** Java, Python, C, Linux, Unix, HTML, CSS, JavaScript, jQuery, PHP, SQL

**LANGUAGE:** Chinese (Conversational)

**HONORS:** Dean's List, Honors Carolina, National Merit Finalist, AP Scholar with Distinction

**EXTRACURRICULARS:** Moonlight Hip Hop Dance Crew