Rachel Yuan

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EDUCATION

The University of North Carolina at Chapel Hill   *May 2019*
- Bachelor of Science in Computer Science
- **Relevant Coursework**: Algorithms and Analysis, Data Structures, Modern Web Programming, Robotics with Legos, Computer Organization, Models of Language and Computation, Computers and Society, Discrete Structures, Multivariable Calculus, Linear Algebra, Introduction to Probability
- **GPA**: 3.5

North Carolina School of Science and Math, *High School*   *June 2015*

TECHNICAL EXPERIENCE

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 tool to **parse JSONs** in order 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 a program to **extract data from a JSON** from a OMDb API, a **movie database API**
- Sent POST request to Twitter API via **Twython**, a Twitter Python library

LEADERSHIP EXPERIENCE

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 Object-Oriented 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

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