

Puloma Katiyar

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EDUCATION

University of California, Riverside — BS in Computer Science

SEPT 2019 - JUNE 2023

- ❑ Chancellor's Scholar and University Honors student, **GPA: 4.0**
- ❑ Coursework: Intro to Data Structures and Algorithms, C++ Programming II, Intro to Discrete Structures, Linear Algebra

PROJECTS

Spatial Data Generator — Research with UCR Big Data Lab

- ❑ Lead developer of web application that generates datasets with user configured characteristics (eg. distribution, cardinality)
- ❑ Redesigned generator algorithm to optimize for time and space complexity, cutting user wait time to 1 second
- ❑ Built back-end generator using **Python** and front-end interface using **JavaScript** and **HTML**

Trouble in Turtle Town — Won 1st place at UCR CutieHack 2019

- ❑ Mobile game for Android built in under 12 hours in a team of 4
- ❑ Utilizes device's gyroscope to control character movement
- ❑ Developed game logic in **Java** and tested to improve game flow

EXPERIENCE

Chabot Space and Science Center, Oakland CA — Intern, captain, volunteer

MAY 2016 - SEPT 2019

- ❑ Directed approx. 30 volunteers during each floor shift
- ❑ Led and mentored the Astronomy Team and Media Team
- ❑ Encouraged volunteer participation in teams, expanding Media Team from 7 members to 20 members
- ❑ Adapted science demonstrations to increase educational interaction between volunteers and visitors
- ❑ Educated visitors through experiments, built radio telescope, launched science blog

Facebook / Girls Who Code, Menlo Park CA — Student

JUNE 2018 - AUG 2018

- ❑ Developed a music information application in a team of 4 using Javascript, Bootstrap, HTML, and CSS
- ❑ Implemented back-end API using Javascript
- ❑ Created weekly smaller software projects using Python, Javascript, HTML, CSS, and Arduino C

SKILLS

Python
Java
C++
Git/Github
Public speaking
Teamwork

ORGANIZATIONS

ACM@UCR - Secretary

ACM-W@UCR -
Membership Chair
(currently), Internal
Operations Chair (formerly)

SWE@UCR - Member

AWARDS

1st place at UCR CutieHack 2019 - First hackathon I participated in

2019 National Merit Scholarship Semifinalist

2019 AP Scholar with Distinction - Received an average score of 3.5 on all exams taken, and scored 3 or higher on 5+ exams

2018, 2017, 2016 Gold Presidential Volunteer Service Award - Awarded to those who complete 250+ hours worth of volunteer work in a year

PERSONAL INTERESTS

Hiking
Playing video games
Indoor gardening
Bullet journaling