

# RAISA GANDI PUTRI

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## EDUCATION

**University of California, Davis**

September 2016 - December 2019

B.S. in **Computer Science**, Minor in **Music**

GPA: 3.391 / 4

- Relevant coursework: Intro to Programming in Python, Object-Oriented Programming in C++, Data Structures, Computer Architecture, Linear Algebra, Programming Languages, Algorithms, Legal Writing, Game Theory, Intro to Abstract Math, Operating Systems, Natural Language Processing\* (\*in progress)
- **Activities:** Davis Computer Science Club, Society of Women Engineers, UC Davis Women in Computer Science

## SKILLS

**Proficient:** C++, C, Python

**Some experience:** Go, Javascript, HTML/CSS, MATLAB

**Tools:** UNIX/Linux, vim, git, Docker, GDB

## EXPERIENCE

**Undergraduate Research Assistant** | UC Davis

November 2018 – present

- Work with the UCD Programming Languages and Software Engineering Lab to analyze the effectiveness of Infer, a static analysis tool
- Build and run defective projects as Docker containers
- Write Python scripts to run Infer on defective projects and verify its coverage

**Computer Science tutor** | UC Davis

October 2018 - present

- Volunteer tutor for undergraduate introductory programming courses in Python and object-oriented programming in C++
- Explain and break down programming concepts and provide help with debugging

## PROJECTS

**Evacuating cities**

November – December 2017

- Used C++ to write a class Evac that determines the routes taken to evacuate a group of cities that are geographically close to each other, by implementing breadth first search (BFS) and depth first search (DFS)

**BTree simulation**

October 2017

- Used C++ to implement B+ tree insertions, implemented using classes and inheritance

## AWARDS

**Grace Hopper Conference Scholarship 2018**

- from the **UC Davis Dean of Engineering**

## OTHER

## EXPERIENCE

**Motivational speaker** | UC Davis

September 2017 – January 2018

- Invited by lecturer Matt Butner to speak to lower division CS courses
- Inspired over 500 students by sharing personal freshman year challenge with programming and encouraged them to seek help from instructors or counselors
- Significantly improved students' study skills and grades

**Music composer** | [soundcloud.com/raisa-gandi-putri](https://soundcloud.com/raisa-gandi-putri)

2011 - present

- Compose piano pieces of different genres and write autobiographical songs
- Total number of plays for **25** original released tracks: **11,325** (September 2018)