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: 3.421 / 4

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

SKILLS

Proficient: Golang, C++, C, Python
Some experience: HTML/CSS, JavaScript, MATLAB, Linux (scripting)
Technologies: git, UNIX/Linux, Kubernetes, Docker, Redis, Kibana, Grafana, microservices, Prometheus, Jenkins, Apache Pulsar, vim, GDB

EXPERIENCE

Cloud Product Services Intern | Bose Corporation June 2019 – September 2019

- Implemented a project that satisfies the Alexa use case of notifying the Amazon cloud when a device goes offline
- Wrote and deployed new Golang microservice which interacts with the Apache Pulsar stack
- Used cloud technologies such as Kubernetes, Docker, ELK, Grafana, Prometheus, Redis, and internal libraries

Undergraduate Research Assistant | UC Davis November 2018 – March 2019

- Worked with the UCD Programming Languages and Software Engineering Lab to analyze the effectiveness of Infer, a static analysis tool developed by Facebook
- Built and ran defective projects as Docker containers
- Wrote Python scripts to run Infer on defective projects and verify their 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 2011 - present

- Total number of plays for **25+** original released tracks: **13,000+** (August 2019)