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: Computer Architecture, Programming Languages, Advanced Algorithms, Operating Systems, Natural Language Processing, Probability in CS*, Software Engineering* **(***in progress)
- Activities**:** Davis Computer Science Club, Society of Women Engineers, UC Davis Women in Computer Science

SKILLS

Proficient: Golang, C++, C, Python
Some experience: Java, R, HTML/CSS, JavaScript, MATLAB, Linux (scripting)
Tools: git, UNIX/Linux, Kubernetes, Docker, ELK, Grafana, Prometheus, Jenkins, Redis, microservices, Apache Pulsar, Flask, vim, GDB, JIRA, Confluence

EXPERIENCE

Cloud Product Services Intern | Bose Corporation, Framingham MA   **June 2019 – September 2019**
- Implemented a project from ideation to testing, which satisfies the Alexa use case of notifying the Amazon cloud when a smart home device goes offline
- Wrote and deployed new Golang microservice which interacts with the Apache Pulsar stack
- Used cloud technologies such as Kubernetes, Docker, ELK, Jenkins, Redis, and internal libraries

Undergraduate Research Assistant | UC Davis   **November 2018 – March 2019**
- Worked under the UCD Programming Languages and Software Engineering Lab
- Analyzed the effectiveness of Infer, a static analysis tool developed by Facebook
- Took defective projects from the BugSwarm database to run them as Docker containers
- Wrote Python scripts to run Infer on defective projects and verify their coverage

Computer Science tutor | UC Davis   **October 2018 – June 2019**
- Tutored undergraduate introductory programming courses in Python and object-oriented programming in C++ on a volunteer basis, averaging 2 tutees a week
- Explained and broke 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 AND OTHER EXPERIENCE

Grace Hopper Conference Scholarship 2018
- From the UC Davis Dean of Engineering

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)