





# David Alonge

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As a honor student whose career goal is to become a researcher to aid software development, my present objective is to put my theoretical knowledge into practical use as a software engineer intern in a challenging, fast-paced organization.

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## Experience

MAY 2022 – AUGUST 2022

**COMPUTER HARDWARE ENGINEER/NASA L'SPACE MISSION CONCEPT ACADEMY-SUMMER 2022**

- Attended weekly workshops and assessments to achieve the following skill badges- **TEAMING, REQUIREMENTS, RISK MANAGEMENT, PROJECT MANAGEMENT, SYSTEMS, HEAT TRANSFER, SIEMENS NX CAD**
- Worked in a team to create an Acquisition Process Preliminary Design Review (PDR) for our low-cost robotic cave exploration mission on Mars
- As computer hardware engineer, I was responsible for communication and data handling from other systems of the mission vehicle to ensure science objective and success criteria are fulfilled.

MAY 2021 – AUGUST 2022

**Research Intern/2020 & 2021 UNDERGRADUATE SUMMER RESEARCH AT NEW JERSEY INSTITUTE OF TECHNOLOGY (NJIT).**

- Worked with a research professor and PhD students to use Deep Hybrid Modelling (DeepHM) to study data of covid patients and intervals in circadian rhythm
- Used NJIT'S Lochness High Performance Computing (HPC) infrastructure and python Notebook to set up a cGAN used for the machine learning
- Weekly meeting with IBM machine learning team to give presentation on the progress of our research.

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## Skills

JAVA • C++ • Python • Excellent time management skills • Team Player • Public Speaking • Problem solving / Critical Thinking • Communication • MySQL

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## Education

SEPTEMBER 2022 – MAY 2024

**Bachelor of Science Computer Science and Mathematics/Rutgers University/4.0 GPA**

MARCH 2020 – DECEMBER 2021

**Bachelor of Science Computer Science/Essex County College/3.92 GPA**

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## Activities

Literature • Environmental conservation • Art • Yoga • Skiing • Travel