

SAN DIEGO ZOO WILDLIFE ALLIANCE FELLOWSHIPS IN CONSERVATION TECHNOLOGY

The San Diego Zoo Wildlife Alliance (SDZWA) has received a grant from The San Diego Foundation to support our efforts to bring historically underrepresented groups into conservation science. Accordingly, the Conservation Technology Lab at SDZWA seeks applicants for two 20-week stipend-funded (non-employee) fellowships for undergraduate and graduate students pursuing degrees in computer science or related fields at San Diego area universities, colleges, and community colleges. The fellowships are intended to coincide with the academic year. The stipend is \$6120. Applicants from socio-economically disadvantaged backgrounds and/or groups underrepresented in science and engineering are especially encouraged to apply.*

The fellowships will begin November 15th, 2021. We are particularly seeking students with interest and capabilities in:

- Python and/or C/C++, especially as applied to embedded systems and/or CV/ML
- networking of small devices
- programming single board computers (such as the Raspberry Pi)
- programming microcontroller boards
- working with Linux-based systems (particularly Debian/Ubuntu)
- using Git for revision control of software projects

Applications are due October 25th (extended from October 15th) and should be sent to Maggie Drummond at mdrummond@sdzwa.org

An application should include the following (each as a PDF file):

- a resume
- a 200-300 word cover letter describing your interest in and suitability for the fellowship
- the names, email addresses, and phone numbers of two (2) references

Please do not include letters of recommendation. References will be contacted for candidates who advance to the later rounds of the search.

* The National Science Foundation has identified underrepresented groups in science and engineering as women, persons with disabilities, and three racial and ethnic groups: Black, Hispanic, American Indian, and Alaska Native.

About the Conservation Technology Lab

The Conservation Technology Lab is part of the Population Sustainability group within SDZWA's department of Conservation Science and Wildlife Health. We use machine learning, computer vision, and off-the-shelf and custom field sensor systems to pursue projects that aid in SDZWA's conservation work around the world, helping species from polar bears in the arctic, to lemurs in Madagascar, to burrowing owls and other species living in our own backyard. Identifying factors that contribute to species' vulnerability or resilience to environmental change is the overarching theme of the projects to which the fellows will be contributing.

About The San Diego Foundation

These fellowships were made possible thanks to grant support from The San Diego Foundation. The San Diego Foundation maximizes the impact of charitable giving by mobilizing philanthropic resources to advance quality of life, increase social impact, and champion civic engagement.