



600 North Road | Naples, FL 34104-3464 | P 239.436.1000 | F 239.436.1005

Position: Technical Development Intern

Collier Mosquito Control District is hiring! We're seeking a highly motivated intern to join our Technical Development department! Successful candidates will have the opportunity to work alongside a passionate and dedicated team committed to protecting public health and advancing the technology of mosquito control. This is a unique opportunity for individuals who are eager to participate in hands-on field work that have immediate, real-world impacts on our community.

Description: As a Technical Development Intern, you'll assist with evaluating and implementing new technologies to enhance the District's integrated pest management (IPM) program. This position involves a combination of field and office work, with specific task varied by season and project. Field work consist of carrying out uncrewed aerial systems (UAS) missions for mapping and treatments, performing site inspections for data validation, and other tasks in support of the District's mission. Other assignments include 3D printing and design, geographic information systems (GIS) data analysis, and building Esri web GIS applications. Most of your work will occur Monday through Friday from 8am to 4:30pm, with occasional nights and weekends—the schedule is flexible and can be adjusted to accommodate a class schedule if necessary. To be considered, you must be currently enrolled in a degree program or have relevant coursework at an accredited university. Ideal candidates will have a concentration or background in geography, environmental science, GIS, or technology/aviation related field.

The District: Collier Mosquito Control District encompasses 401 square miles in beautiful southwest Florida between the Gulf of Mexico and the Everglades National Park. The District currently employs approximately 50 people at our primary office location in Naples and a satellite office in Immokalee. We practice integrated mosquito management, so every decision we make is based upon scientific analysis of a range of environmental and mosquito surveillance data. As a member of Technical Development, you will participate in a wide variety of projects in collaboration with the Research and Operations departments.



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Requirements:

- Must be currently enrolled in a degree program or have relevant coursework at an accredited university in geography, environmental science, GIS, or technology/aviation-related field.
- Must be able to independently carry out fieldwork in remote locations
- Hold a FAA Part 107 drone license or obtain within 6 months
- Must obtain Florida Public Health License and Aerial Applicator license within 6 months
- Class "E" Florida Driver's License; clean driving record

Highly Desirable:

- Familiarity with ArcGIS Online web mapping software and applications including: Web Maps, Survey123, Dashboards, Web App Builder, and ArcGIS Pro.
- Experience with UAS navigation software and mission planning
- Experience with relational database design, maintenance, and querying.
- Knowledge of GIS, including coordinate systems, datums, remote-sensing data acquisition sources, and use of geoprocessing tools.
- Experience with any of the following: 3D design and printing, basic electrical and mechanical tasks, operating knowledge of basic handheld and power operated tools and programming knowledge (R, Python, SQL).

Please submit your resume to Atom Rosales (arosales@cmcd.org).

Application materials will be reviewed on a rolling basis until the position is filled.