



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

**Position:** Technical Development Specialist I

Collier Mosquito Control District is hiring! We're seeking a highly motivated Technical Development Specialist to join our team! 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 Specialist, 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 acquisition, processing, and analysis, assisting with aerial mission planning and developing Esri web GIS applications. Most work will occur Monday through Friday from 8am to 4:30pm, with occasional nights and weekends. Ideally, you will hold either an Associates or Bachelors degree in geography, GIS, environmental science, or technology/aviation related field. Salary will be based on skills and experience.

**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 and as a member of Technical Development, you will participate in a wide variety of projects in collaboration with the Research and Operations departments. We also offer a variety of benefits including health, dental, vision, and financial support for continuing education.



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### **Requirements:**

- Associates degree with GIS, computation or aviation-related coursework from an accredited college or university; Bachelors degree preferred.
- 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 integrated pest management and mosquito control
- Programming experience in Python; experience using the ArcGIS API, ArcPy, Pandas, and NumPy packages.
- 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, and operating knowledge of basic handheld and power operated tools.

**Please submit your resume to Atom Rosales ([arosales@cmcd.org](mailto:arosales@cmcd.org)).**

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