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Job Title:	Computer Programmer (a knowledge in Pavement Engineering in a plus).
Department:	Center for Research and Education in Advanced Transportation Engineering Systems (CREATES)
Institution:	Rowan University
Estimated position start date:	July 01 2023
Duration of the position:	One Year <i>(The duration can be extended depending on performance and availability of funds.)</i>

**Responsibilities:**

The applicant will be working on developing databases and computer applications (in Visual Basic for Applications (VBA), and other programming languages as necessary) for our clients. CREATES is a comprehensive research center that focuses on several research areas, including the areas of construction materials and pavement engineering. For a complete listing of all CREATES active and completed projects, applicants are advised to visit: [www.rowan.edu/creates](http://www.rowan.edu/creates).

In general, the applicant will be responsible for:

- Gathering and reviewing user requirements;
- Helping with post processing of testing data collected by our clients and developing robust databases;
- Ensuring the connectivity of all newly developed databases with old ones;
- Writing code and developing applications (in VBA and other languages);
- Interfacing with clients and providing progress updates;
- Preparing reports and technical design guides and manuals of use with developed products; and,
- Providing support to clients on all developed applications.

**Required Qualifications:**

- Bachelor’s degree in Software Engineering, Computer Science, Information Systems, Civil Engineering or a related field with strong database design and development background.
- Prior experience programming and developing front-end database applications using MS Access and Visual Basic for Applications (VBA) as well as other tools.
- Experience in working with state agencies or departments is highly desirable.
- Possess excellent written and oral communication skills, be a problem solver, and has a team-oriented but self-motivated attitude.

**Required Knowledge:**

- Knowledge of Pavement Management Systems is desired, but not required.
- End-to-end Data Management



- Development of front-end database applications
  - Debugging and Performance Improvement of Databases
  - Database Integrations
1. Cover letter, curriculum vitae and one example of your prior programs developed.
  2. Names and contact information of three references.

For more information please contact:

Yusuf Mehta. Ph.D., P.E.

Professor and Director, CREATES

Department of Civil and Environmental Engineering

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