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**OPEN POSITION**

***Programmer/Analyst***

Applications are invited for a full-time position as a Programmer/Analyst for Mathematical Reviews/MathSciNet. The Mathematical Reviews (MR) division of the American Mathematical Society (AMS) is located in Ann Arbor, Michigan, in a beautiful, historic building close to the campus of the University of Michigan. MR's mission is to develop and maintain the MR Database, from which MathSciNet is produced.

The Programmer/Analyst position is primarily responsible for analyzing, designing, coding, documenting and maintaining web applications. Working closely with the department manager, the programmer analyst provides technical expertise to diagnose problems and to research, recommend, and implement solutions. This individual should be well-versed in Java, Scala, JavaScript and current database methodologies.

**ESSENTIAL FUNCTIONS:**

- Establish and develop standards for user interfaces
- Develop wireframes, mock-ups, detailed visual designs, and graphics for web-based and mobile-based interfaces
- Explore new technologies, design best practices, and apply web standards to create unique solutions and solve problems
- Perform all functions in the software development life cycle (specification, analysis, design, coding, testing, maintenance, support, and documentation)
- Collaborate with programmers, designers, system administrators, and database administrators to conceptualize and develop enhancements
- Design, run and monitor software performance tests for the purposes of correcting errors, isolating areas for improvement, and general debugging
- Participate with other MR IT staff in developing and maintaining internal MR Web-based applications
- Participate in defining our web-based application architecture
- Adhere to department and industry standards in which code and documentation should be written
- Work both independently and in a team-oriented, collaborative environment

**QUALIFICATIONS:**

- Expertise in Javascript, CSS, jquery, Ajax, HTML, XHTML, and other user interface languages and technologies
- User interface design
- Experience using Linux as the primary development platform
- Application development using PostgreSQL database
- Strong understanding of human factors for mobile devices and web
- Detail oriented
- Learns and uses technology applications that improve productivity
- Rethinks work activities to incorporate new technologies
- Understands role of "customers" in organization's environment
- Shares knowledge, responsibilities, and expertise with others easily and frequently
- Demonstrates positive influences within groups/teams in which she/he participates
- Keeps current with new work methods, skills, and technologies to complete work activities
- Focuses on work activities that add value to the organization and department; works to eliminate work activities that do not add value
- Uses communication tools effectively (e.g., presentation, verbal, writing, relationship building, negotiating, listening) to meet needs of audience and/or situation
- Takes ownership for own self development and continuous learning

**EDUCATION and/or EXPERIENCE:**

- This position requires a minimum of a bachelor's degree in a computer-related major from an accredited institution, or commensurate experience

The AMS offers excellent benefits, including competitive salaries, health and dental; very generous retirement contributions and paid leave; paid life insurance; a casual work environment; tuition assistance; computing benefit; as well as professional development opportunities.

Salary is commensurate with experience. We are an Equal Opportunity/Affirmative Action Employer offering an excellent benefit package and a collegial work environment.

To apply: <https://home.eease.adp.com/recruit/?id=14914161>