Psychometrician

Vretta (www.vretta.com) is looking for a Psychometrician to join our Systems & Implementation team. This position requires excellent communication skills, creative problem-solving ability, and a sound technical ability to be able to understand requirements, develop reusable solutions, and provide guidance to our engineering teams. As a member of the Systems & Implementation team at Vretta, the Psychometrician must have the attitude and energy to innovate and build solutions that support student success.

Duration

This contract will be available from May 20, 2022, to December 20, 2022 (with possibilities of extension). A minimum commitment of 24 hours weekly is required.

Responsibilities

- Write R code to automate the validation process of psychometric tools developed in other languages and software
- Provide psychometric expertise with respect to planning and conducting psychometric analyses of educational assessments
- Plan and implement test equating methods
- Audit results generated through innovative tools by reproducing them using standard tools and libraries
- Interact with key partners and internal users regarding timelines, technical issues, and infrastructure integration.
- Stay current with relevant research, techniques, technology, and other factors impacting the job.

Requirements

- At least 2 years experience in applying the R language in a psychometric context.
- Post-Graduate Degree (or in progress).
- Proven ability to work in a team.
- Ability to effectively communicate technical concepts to other technical staff members.
- Superior time management skills, and the ability to prioritize tasks with minimal supervision.
- High level of critical and logical thinking, analysis, and/or reasoning to identify underlying principles, reasons, or facts.

Experience with any of the following is an asset

- R Packages for Item Response Theory Analysis
- Python (including the catsim library)
- Structured Query Language (SQL)
- Machine Learning statistical techniques
- Cognitive Diagnosis Modelling
- Academic Writing

About Vretta

We are a multi-award winning EdTech company that is transforming the way students learn and use math every day. We collaborate with schools, colleges, and ministries around the world to re-imagine what really matters for students in the 21st century and to make sure that every student acquires meaningful quantitative skills that will serve them in their lives and professions. The user experience is at the heart of our creative process. This experience determines what sticks and what fades, and we see this as a tremendous opportunity to do better than anyone that has come before us. Every project is assigned a highly focused team of researchers, educators, designers, and software developers that are passionate about making an impact.

Applying

Please send your resume, along with a cover letter to careers@vretta.com. We look forward to hearing from you, but please note that due to the volume of applications that we usually receive for our job positions, only those shortlisted for next steps will be contacted. Vretta is committed to providing reasonable accommodations for people with disabilities. If you require an accommodation, we will work with you to meet your needs in all stages of the hiring process.

To stay in touch with Vretta and keep up to date on all open opportunities, follow us on LinkedIn, Facebook, and Twitter!