



VERITAS SCIENTIFIC

Truth Detection Technology Company seeking 1-8 programmer, neuroscience, or management interns

Virginia Tech students:

Overview:

Veritas Scientific Corporation is an applied neuroscience startup company based in Arlington, VA. It is in the process of developing its *P-300 NeuroTruth* technology, which will provide brainwave-based deception detection and truth verification for the National Security industry. This transformative technology will revolutionize the nature of our National Security in all forms of interrogation, threat screening, distinguishing “friend from foe,” and pioneering prevention intervention. *P-300 NeuroTruth* derives its efficacy from the P-300 Event Related Potential (ERP), which is to say that 300 milliseconds after a stimulus (a face, name, or location, etc.) is presented to a subject, the brain responds with a decipherable brainwave pattern. This reaction occurs before the conscious mind can manipulate the information.

Responsibilities: Interns will be tasked with assisting Veritas Scientific in using its MATLAB programming language to:

- A) Write a program that will reliably isolate the P-300 ERP (a marker of recognition)
- B) Directly interface with an EEG
- C) Design an appropriate interrogation atmosphere that is conducive to isolating the P-300 ERP.

Eligibility:

- We at Veritas Scientific Corporation are seeking 1-4 interns with **MATLAB** programming experience. If interns have not previously used MATLAB, **extensive** experience with another programming language is required.
- The other 4 interns will be tasked with helping the company on the management side: finding Venture/angel investors, writing proposal materials, identifying future government or defense contractor clients etc.
- Neuroscience coursework in addition to programming experience would greatly enhance an applicant's eligibility.
- At least a Junior or Senior (Graduate Students and Alumni welcome). Sophomore applicants will be considered if they have taken at least 5 relevant programming and/or neuroscience courses.

Duration: Typically one semester. Preferred start date: January 20th

Benefits: Paid transportation to and from work

Required for Application:

- Transcript
- Cover letter
- Phone or in person meeting

Contact:

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