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Bill Scully
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Recruiter, Software Engineering Institute
the Software Engineering Institute at Carnegie Mellon University

Dear Bill,

My name is Ben Brown, and I am a recently graduated student from the department of Electric and Microelectronic engineering at Rochester Institute of Technology. I'm seeking employment as an Assistant AI Security Researcher at the Software Engineering Institute at Carnegie Mellon University. I believe that I have several specific attributes that would result in particularly synergistic employment in this position, and I would like to outline them below, in order of listing on the job description:

Desired Qualifications:

- You have a deep interest in AI/ML and cybersecurity with a penchant for intellectual curiosity and a desire to make an impact beyond your organization.
- You have practical experience with applying cybersecurity knowledge toward vulnerability research, analysis, disclosure, or mitigation.
- You have experience with advising on a range of security topics based on research and expert opinion.
- You have familiarity with implementing and applying AI/ML techniques to solving practical problems.
- You have familiarity with common AI/ML software packages and tools (e.g., Numpy, Pytorch, Tensorflow, ART).
- You have knowledge or familiarity with reverse engineering tools (e.g. NSA Ghidra, IDA Pro)
- You have experience with Python, C/C++, or low-level programming.
- You have experience developing frameworks, methodologies, or assessments to evaluate effectiveness and robustness of technologies.
- You have superb communication skills (oral and written), particularly regarding technical communications with non-experts.
- You enjoy mentoring and cross-training others and sharing knowledge within the broader community.
- You have BS in machine learning, cybersecurity, statistics, or related discipline.
- Applicants with a solid technical background in AI/ML or cybersecurity, but not both, are encouraged to apply provided a strong desire to rapidly learn on the job.

In short, being on the cutting edge of research and development is and always will be a primary motivation for my work. That is why I want to work at LANL, so I can push the boundaries of human knowledge in an environment of people that want the same. I enjoy facing problems that have never been solved before, and I learn voraciously in order to overcome obstacles that face me.

I'm excited to hear more about this Post-Baccalaureate position. I believe that the Lab possesses everything that I need in order to grow into a successful researcher focused on the greater good. Please refer to my resume for further details about my skills and experience, and feel free to reach out to me with any other questions.

Thank you for your consideration,

Ben Brown