CERTORA

Formal Verification Software Engineer

Certora is a spinoff of Tel Aviv University focusing on a brand new domain: the security and correctness of Ethereum smart contracts. Decentralized financial applications (DeFis) are a killer application of smart contracts and are already worth 60 billion USDs. Our customers are the top DeFi protocols.
They are small event driven programs which are invoked by end-users to execute financial transactions. Bugs in smart contracts are exploited by malicious users, and can be extremely dangerous. Our team consists of world-class experts in formal verification who are using this exciting technology to help the top DeFis gain confidence in their contracts. Our team is located in Seattle, Berlin and Tel Aviv.
We are looking for brilliant engineers with a strong mathematical background to develop algorithms and techniques for formal verification and applying the technology to identify security issues and prove their absence.

Job description:
Develop cutting edge techniques for solving challenges in formal verification of real code.

Relevant skills:
1. Academic preferred graduate degree in Math, Physics, or Computer Science strongly preferred with excellent credibility. Outstanding candidates with an undergraduate degree will also be considered.
2. Experience in dataflow analysis, compilers, abstract interpretation, functional programming, SMT, and interactive theorem proving is a plus.
3. Background in programming languages and software engineering is necessary.

Perks: Small, agile, and friendly team; Work on cutting edge and challenging problems. Unlimited vacation and 401k for US employees. The ability to publish this work.

To apply, send email to mooly@certora.com