Software Engineer to Build Digital Cash at MIT
Collaborating with Federal Reserve Bank of Boston

The MIT Digital Currency Initiative is looking for a software engineer (remote-friendly) to help build the future of money. Our existing financial system is slow, expensive, and deeply unfair. We need a new financial system that serves everyone instead of just wealthy institutions, and digital cash could be its base layer. This new role will work with research scientists and developers at the DCI to design and implement open source software for a retail central bank digital currency, collaborating closely with a team at the Federal Reserve Bank of Boston.

Working at MIT, this is a chance to help build the money of the future. We’re looking for a software engineer who can work with students, developers, and researchers to bring cash into the internet era.

You should have:

- Systems or security programming experience (preferably C/C++, Go, or Rust)
- Passion for designing the next iteration of digital money
- Interest in collaborating with students and researchers
- A strong desire to contribute to open source software projects
- Ability and interest in communicating with non-technical stakeholders
- Desire to work independently and drive process, like creating a plan to distill requirements in order to implement and evaluate systems with different trade-offs
- Willingness to help create an inclusive environment for people of all backgrounds

Responsibilities:

- In collaboration with others at the DCI and the team at the Federal Reserve Bank of Boston, work as part of a team to architect and design a secure, high-throughput, resilient digital cash transaction system
- Lead technical implementation of such a system
- Operate effectively in an independent environment where requirements are not necessarily well-specified
- Contribute to creating an inclusive environment where people of all races, genders, ages, and other backgrounds are empowered to do their best work and receive recognition for it

MIT DCI and the Media Lab:

- The Media Lab is a research organization within MIT without traditional disciplinary constraints. It is scientists, engineers, artists, and designers who strive to create
technologies and experiences that enable people to understand and transform their lives, communities, and environments.

● The DCI is a team of researchers and developers building cryptocurrency and blockchain technology software. Our mission is to empower people by making it as easy to move value as it is to move information.

● We have been one of the leading institutions building Bitcoin software since our founding in 2015, and we have been thinking about central bank digital currency since 2016.

● We contribute to and participate in the open source cryptocurrency community via talks, software, code review, and published papers. All our work is open-source.

We welcome remote or non-remote applicants. Our team is currently 100% remote, and during non-pandemic times, closer to 50%. Our office is in the Media Lab on MIT’s campus in Cambridge, MA. We can provide pay that is competitive for university developer and researcher roles, and whether this is part-time or full-time is negotiable. International workers are welcome to apply as long as working hours overlap at least 3 hours with 9 AM - 6 PM EST. We cannot sponsor visas.

If this is exciting to you, please reach out to dci-jobs@mit.edu with your CV or résumé. We anticipate a start date in Fall 2020.