

# Project Lab Proposal Form

The University of Chicago's Master of Science Program in Financial Mathematics (MSFM) partners with companies through the Project Lab course (FINM 36000), to provide students with hands-on research experiences, putting knowledge gained from the classroom into practice.

You can find additional details, along with FAQs within the Project Lab Company Guide: <https://uchicago.app.box.com/s/p4d37a28doxsh8xlm6dap2lwt2gd8f33>

If you would like to propose multiple projects, please complete a new proposal form for each project.

If you have any questions, please contact Sue Clark at [sueclark@uchicago.edu](mailto:sueclark@uchicago.edu).

The respondent's email ([richard@bcamp.dev](mailto:richard@bcamp.dev)) was recorded on submission of this form.

Email \*

[richard@bcamp.dev](mailto:richard@bcamp.dev)

Company name (and division/department/desk, if applicable): \*

Bcamp

Physical address of organization: \*

4303 N 400 W, Lehi, UT 84043

URL and/or description of organization: \*

<https://bcamp.dev/>

How many teams is your organization sponsoring for this project? \*

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How many students per team? (If no response, we assume 5 students per team)

Company Representative name: \*

Richard Carey

Company Representative title: \*

Program Director

Company Representative email address \*

Richard@bcamp.dev

If applicable, additional Company Representative name(s), title(s), and email(s):

Are any representatives also alumni of the University of Chicago? If yes, please indicate their name and applicable degree program:

Yes, Richard has an MBA from Chicago Booth

Aside from the initial briefing meeting and the final presentation, how often will the team meet with the representative(s) to deliver progress reports and receive advice? \*

Once per week.

Will such discussions be face-to-face, or by some form of teleconferencing? If face-to-face, will the meetings be at your company site, on-campus, or some other arrangement? \*

Teleconferencing

Will the team members be required to sign non-disclosure agreements? \*

No

Project topic/title: \*

Decaying Equity on the Blockchain

Background motivation of the project:

Bcamp is exploring new organizational structures based on modern decentralized internet communities. We want to incorporate elements of both a traditional cooperative and a corporation within a blockchain token that allows the entire network of employees, vendors, sponsors, and participants to benefit from the success of the organization. The initial idea is to expand on the cooperative model by issuing tokens for patronage that decay over time instead of only providing immediate benefits in the current tax year. This opens the possibility for different models of compensating patronage based on how long-term the contributions are.

Skills required (e.g. programming languages/software packages/statistical models or tools, etc.): \*

Solidity, Economic Modeling

Project objectives or questions to be investigated: \*

The goal is to develop a new type of equity structure that combines elements of a coop or decentralized autonomous organization.

Implementation details:

This project will be built using the Solidity Programming language and deployed on the Ethereum blockchain.

Reference materials, if any:

Students may add this project lab to their resume, including the company name and a general description of their research (abiding by any applicable NDA). We advise they use the following format:

*Company Name*

*Quantitative Researcher - University of Chicago Project Lab*

*General description of research*

Please note below if you prefer something different.

Any additional comments:

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