urop.io

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State of UROPs at MIT

- Beneficial for students and professors
- 85% students do at least one UROP

So why is the process to get one so painful?

MIT COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE LABORATORY

CSAIL

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UROP RESEARCH OPPORTUNITIES

The Undergraduate Research Opportunities Program (UROP) cultivates and supports research partnerships between MIT undergraduates and faculty. If you have any questions please contact tluongo@csail.mit.edu or take a look at the How to UROP at CSAIL document (pdf format).

This program is available to MIT students only.

ABOUT CSAIL

- Organization Overview
- Visual Timeline
- Joining CSAIL
- Tours Of CSAIL
- Outreach
- Staff Job Openings
- Industry Affiliate Program
- Contact

A short-throw black-board camera

The goal of this UROP is to create a camera that can record writing on a black board from a very short distance. For this, we will use the optics of a short-throw projector and will replace the projecting element by a camera. UROP candidates should not be afraid of tinkering with hardware and have basic notions of optics.

Contact fredo@graphics.csail.mit.edu for more information.

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Development of a "blended" (classroom and online) course in China on Evolutionary Processes, Systems and Computation

www.csail.mit.edu

← Confused freshman

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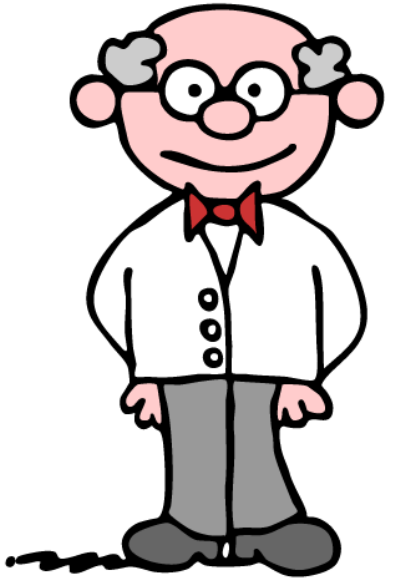


Daniel Jackson

Find the UROP!

Goal

- Help students find the right UROP project
- Help faculty find the right student
- Streamline process

Concepts

Student

MIT undergrad

Faculty member

Professor, postdoc, research scientist

UROP

Research opportunity sponsored by a faculty member

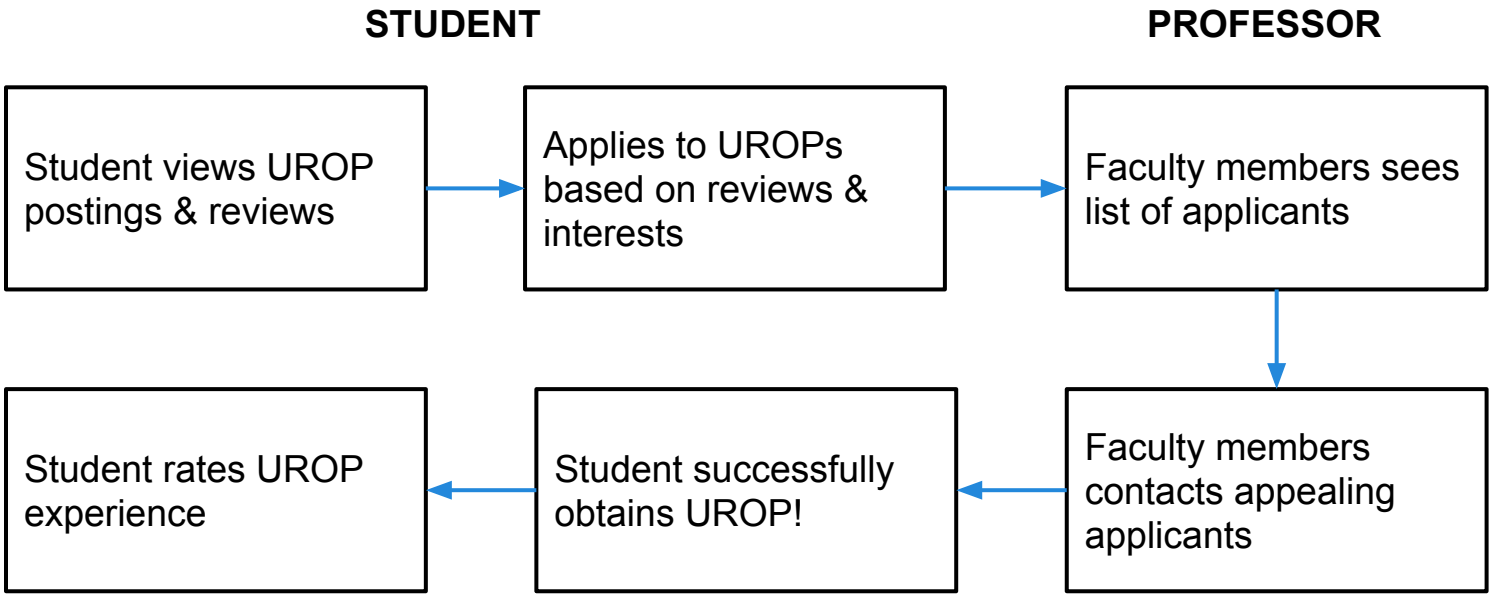
Posting

Description of UROP, written by faculty member

Application

Resume + note submitted by student to a posting, reviewed by faculty

How it works


STUDENT
PROFESSOR
Student views UROP postings & reviews
Applies to UROPs based on reviews & interests
Faculty members sees list of applicants
Faculty members contacts appealing applicants
Student successfully obtains UROP!
Student rates UROP experience

Risks and challenges

Design

Students hesitant to post reviews of UROPs: Hide reviews from faculty, anonymous

Ensure applicants are serious: Require upload resume when create account

Implementation

Tagging & organizing UROPs: Allow search by dept, skills required, faculty to start

Development

Not able to find all listings of UROPs: Start with the listings on the UROP home page

Questions