

Open Project Management

from an “open” perspective

UNIT 3

Instructor: Dr. Bradly Alicea

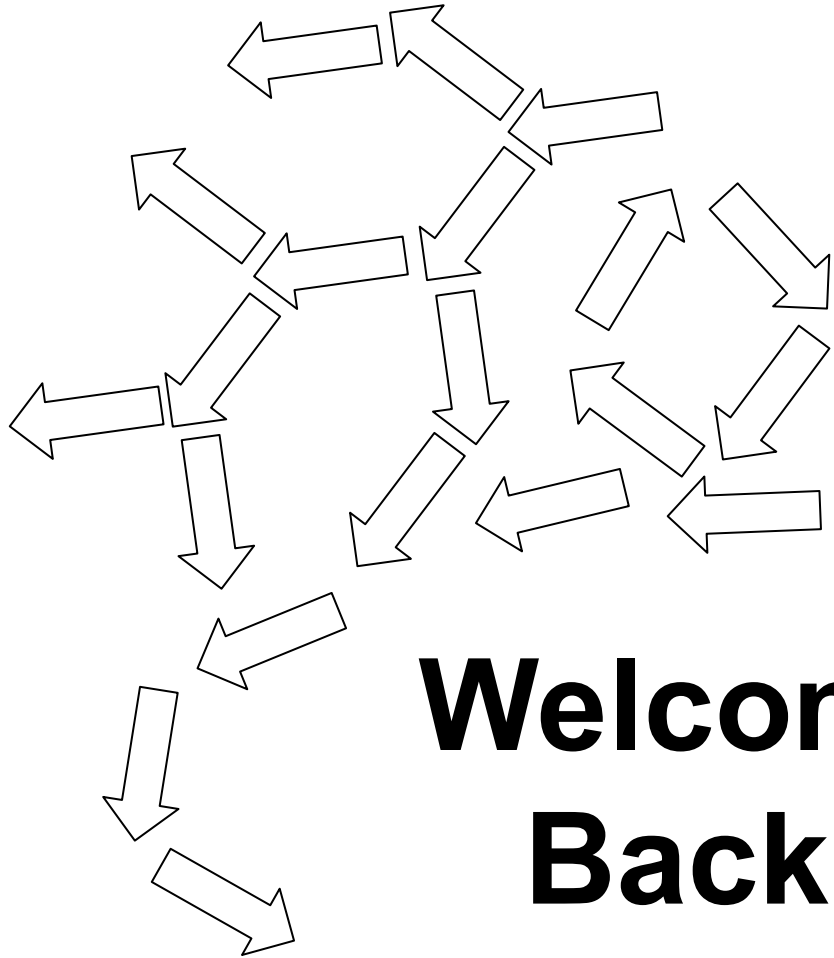
<http://bradly-alicea.weebly.com>



Lecture 14

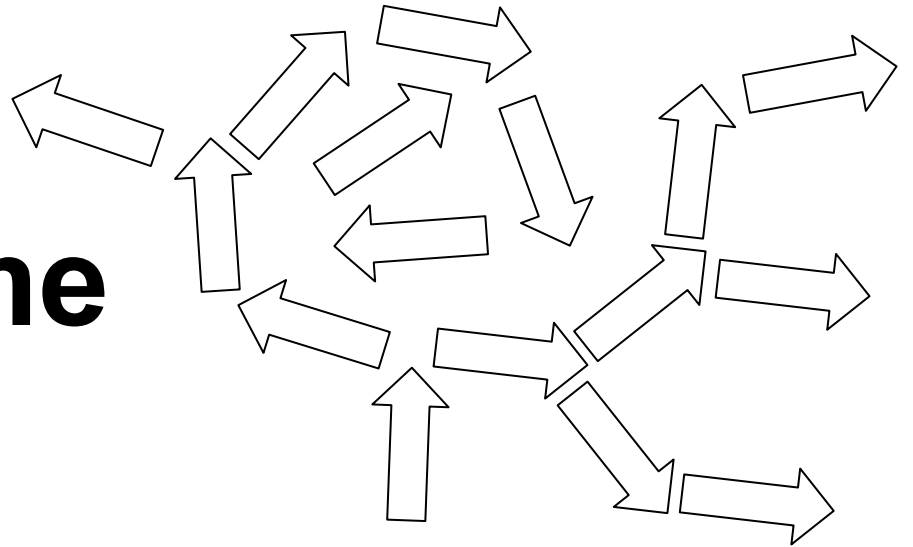
All content





**Welcome
Back!**

**Open Project
Management**





PYGHACK



Overview Participants (107) Rules Project gallery Updates Discussions

★ Connect with the participants – support your favorite projects by liking, sharing, and commenting on them.

Search by submission details

Search

SORT Select one

FILTER SUBMISSIONS

Sponsor Prizes

LODGIC PRIZE

WINNER

Homely
Homely is a crowd-sourced platform to make sustainability more inclusive

5 likes 1 comment

WINNER

Helping Out Superman
Bringing back the concept of the phone booth but instead of

0 likes 0 comment

WINNER

CU-Poverty
Machine-learning data-analysis web app quantifying the effects of various

2 likes 0 comment

WINNER **PAUSE**

Preferences

Local Hackathon (C-U): Pyghack.



PYGHACK

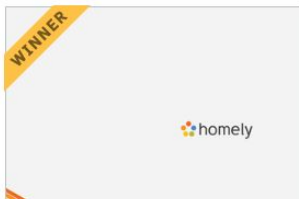
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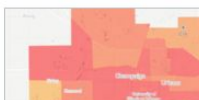
CU-Poverty

Machine-learning data-app quantifying the effect

1



Preferences



PYGHACK

URBANA, ILLINOIS • SEPTEMBER 24 - 25, 2021

FIFTH ANNUAL FREE,
COMMUNITY-DRIVEN
HACKATHON



CAFETERIA & COMPANY • PYGHACK.COM

ILLINOIS RESEARCH PARK

ILLINOIS NCSA

PARKLAND COLLEGE

Grainger College of Engineering



ILLINOIS Beckman Institute for Advanced Science & Technology



ILLINOIS School of Social Work



Project Versioning (software-centric)

The screenshot shows a web browser displaying the PyPI release history for the 'devolearn' project. The browser's address bar shows the URL 'https://pypi.org/project/devolearn/#history'. The page layout includes a left-hand navigation menu and a main content area titled 'Release history'.

Navigation:

- Project description
- Release History**
- Download files

Project links:

- Homepage

Statistics:

- GitHub statistics:
- Stars: 37
- Forks: 30
- Open issues: 8
- Open PRs: 2

View statistics for this project via [Libraries.io](#), or by using our [public dataset on Google BigQuery](#)

Meta:

- License: MIT License
- Author: [Mayukh Deb](#), [Ujwal Singh](#), [Brady Alicea](#)
- Requires: Python >=3.6

Maintainers:

- [orthogonal_research_lab](#)

Classifiers:

- License: OSI Approved :: MIT License

Release history:

Release notifications | RSS feed

| Version | Release Date |
|-----------------------------|--------------|
| 0.3.0 (This version) | Feb 22, 2021 |
| 0.2.3 | Feb 6, 2021 |
| 0.2.2 | Feb 6, 2021 |
| 0.2.1 | Jan 14, 2021 |
| 0.2.0 | Aug 19, 2020 |
| 0.1.9 | Aug 6, 2020 |
| 0.1.8 | Aug 6, 2020 |
| 0.1.7 | Aug 5, 2020 |
| 0.1.6 | Aug 5, 2020 |

<https://pypi.org/project/devolearn/#history>

Semantic Versioning

<https://semver.org/>

Version number is in *MAJOR.MINOR.PATCH* format (e.g. 1.2.5):

- *MAJOR* version when you make incompatible API changes.
- *MINOR* version when you add functionality in a backwards compatible manner.
- *PATCH* version when you make backwards compatible bug fixes.

Additional labels for **pre-release** and **build** metadata are available as extensions to the *MAJOR.MINOR.PATCH* format.

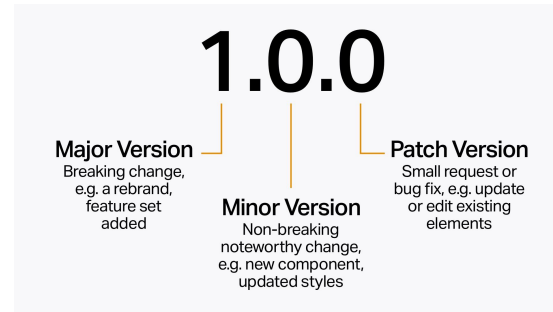
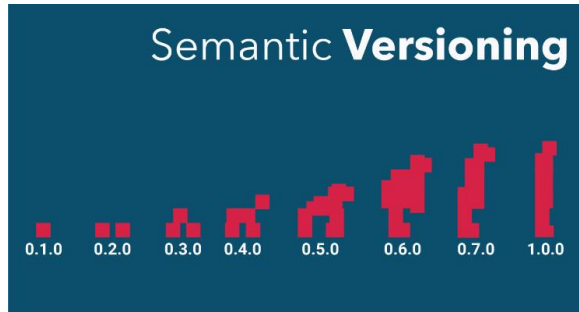
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Discussions, Documentation, and Public Events: Introduction

How to develop desirable, useful, and sustainable forums, documents, and -athons.

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How to develop desirable, useful, and sustainable forums, documents, and -athons.

Participation types (two pathways).

- feedback boards and discussion forums.
- paths from idea → concept → action item → artifact/deliverable.

Design for optimizing discussions with technology and community events.

- Mobile App Design example, Stream-feed Integration,
- incorporating feedback loops.

Curating discussion channels to support community.

- Slack/Discord model.
 - Slack = Searchable Log of All Conversations and Knowledge.
 - control flow of conversation, bots for automation.
- Discourse model.
 - Interface design (badges and rewarding participants).
 - Trust levels and rewarding participants.
- Minimal Viable Communities (MVCs).

Documentation as a form of community organization.

- Waterfall vs. Agile. History and different approaches to documentation.

How much total effort is afforded to documentation?

- lean documentation.
- making documentation, type of documentation, documentation in practice.

Documentation in practice

- Notion and Zenhub models.
- patterns in teams resulting from documentation strategy (coda.io).

Signals to non-contributors. Lowering the barrier to entry.

- badges, shields and repo cards.
- level of contribution and no-code strategies.
- ecosystem of collaborative work (Turing Way).

Public Events

- Hackathons model.
 - History, Mozfest, Doca-thons and Idea-thons. Wikis and Wikithons.
- Sprints and Agile (Wisdom of the Crowd).
 - structure and failure points.
- Failure Modes of Public Events (communication).

Term Paper Discussion

What is your project and community (what do you care about)?

What do you care about, and what would you want to work on (what is your passion)?

What topics have you found interesting in this course so far?

IDEAS

- WORKING OPEN

- GITHUB FOR PLUGINS

(MUSIC PRODUCTION)

- EVALUATING CODE (TRANSLATING CODE)

GENERATION (LIBRARIES
FOR ALL LANGUAGES)

- OPEN-SOURCE
EXTENSIONS

(CHROME)

- COURSE GUIDE

(SELF-SERVE)

- PYTHON LIBS

(AUDIO)

(OPEN-SOURCE)

- CAMPUS H₂O

QUALITY (OPEN-SOURCE)

(DATA BASE / APP) ← OPEN-SOURCE

↓

(UNHOUSED) ← INTERFACE/
PRIVACY/
USABILITY

↓

(TEMP ADDRESS)