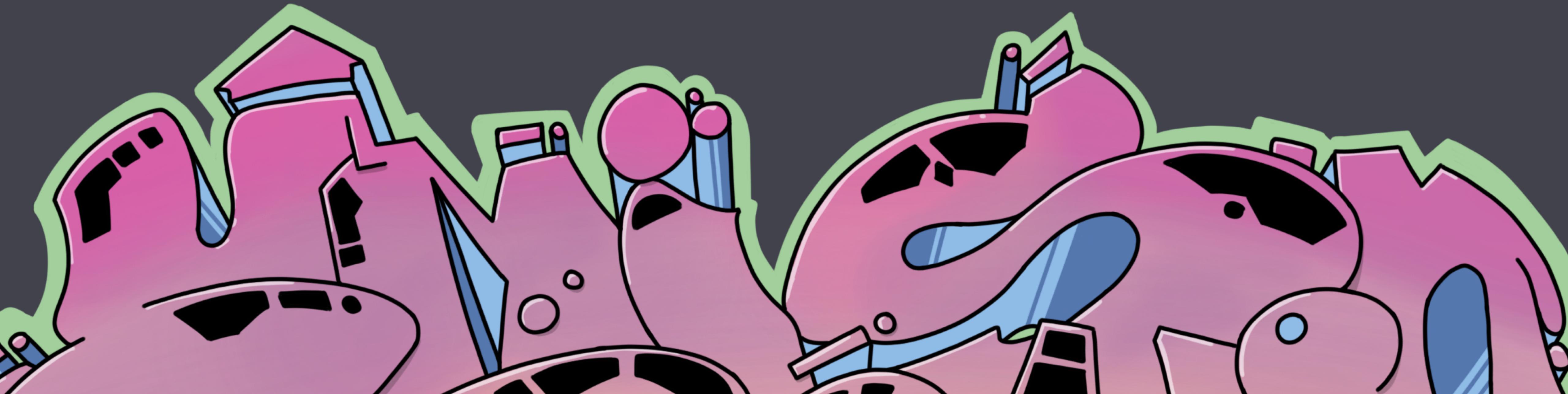


Code hosting and collaboration with **Unison Share**

Unison Forall 2022



Unison Share

Our community hub

Catalog

Discover projects and users

Unison Share

Publish on Unison Share

Explore, Discover, and Share Unison Code

Projects, libraries, documentation, terms, and types

Search for projects, users, namespaces

FEATURED	PARSERS AND TEXT MANIPULATION	DATATYPES
 unison . base	 hagl . dhall	 hojberg . money
 unison . distributed	 hojberg . textExtra	 hojberg . nanoid
 unison . http	 rlmark . parsing	 stew . uuid
	 stew . json	
	 stew . parser	

Browsing Code

Definitions, documentation, and Finder

The screenshot shows a dark-themed interface for Unison Share. On the left, there's a sidebar with a user icon and the text "hojberg . textExtra". Below this are sections for "Download latest release" and "NAMESPACES AND DEFINITIONS" which lists "README doc", "docs", "Text type", and "Text". The main content area has a header "README" and a section titled "Text.Extra" with a status of "Status: v1". It describes "A collection of `Text` helper functions in addition to the base library. Inspired by text and string functions from Elm and JavaScript." Below this is a code snippet demonstrating the `Extra.contains` function:

```
Extra.contains "world" "hello world"
↓
true
```

Under the "Highlights" section, there's a bulleted list of functions:

- all
- any
- at
- contains
- startsWith
- endsWith
- filter
- reject
- splitWhen
- toLower
- toUpper
- ...

Doesn't do multiple versions well

Very basic search

No real users

Multiple sources of truth

High barrier to entry

Kinda Janky



Slow to update

No way to collaborate

Faux projects

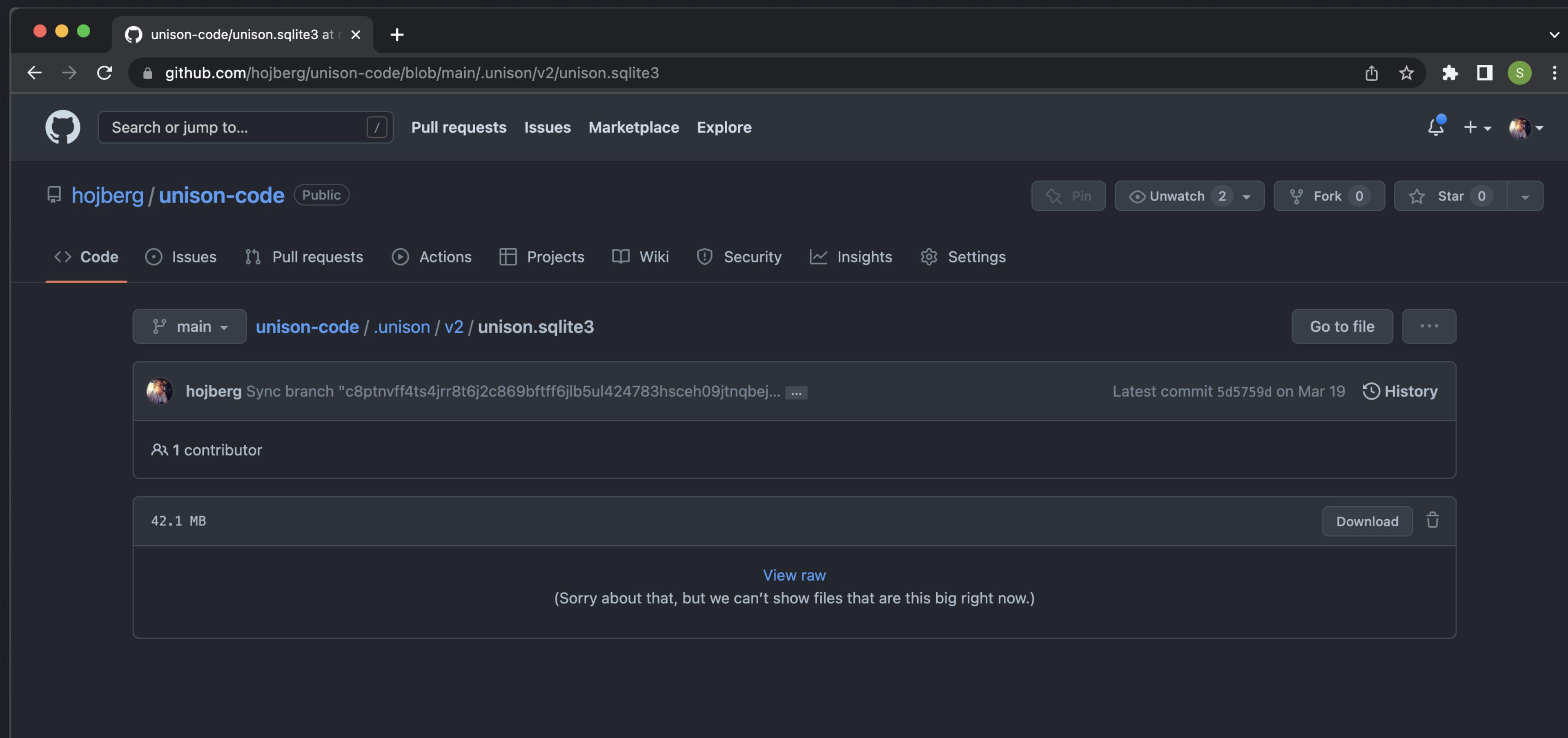
Breaks often

Weird way to publish

Share Next & M4

Right around the corner!!

Codebases on GitHub 😞



Code Hosting!!



Share Next & M4

Available later this summer

Signup for the beta

unison-lang.org/unison-share-next

The Future of Share



Looking ahead

Codebases on Share

The screenshot shows the Unison Share interface with a dark theme. At the top, there is a navigation bar with tabs for "Unison Share", "Catalog", "Codebase" (which is selected), and a search bar. On the right side of the top bar is a user profile icon.

The main content area is titled "Simon's Codebase". It displays the following information:

- Last synced: ~13 mins ago
- Overview tab is selected (indicated by a grey background)
- Projects: 6
- Sketches: 19
- CODE section:
 - README doc
 - unison
 - myProjects
 - blog
 - Ticket type
 - testingEquality term
- Search bar: Search

The "Codebase Overview" section contains the following details:

- CODEBASE DETAILS:
 - Current Hash: #48Jk29mP
 - Last synced: ~13 mins ago
 - Size: 25341 entities (~6MB)
- LATEST SYNC HISTORY:
 - Synced #48Jk29mP (25341 entities) ...
142.250.80.46 • Seekonk, MA • ~13 mins ago
 - Synced #KyHr2eq1 (24247 entities) ...
142.250.80.46 • Seekonk, MA • Mar 10, 2022
 - Failed to sync #Ac21GHq7 (14721 entities) ? ...
142.250.80.45 • Providence, RI • Feb 25, 2022
 - Synced #MK31j49s (12823 entities) ...
142.250.80.46 • Seekonk, MA • Feb 24, 2022
 - Synced #cASw37K2 (11727 entities) ...
142.250.80.46 • Seekonk, MA • Dec 03, 2021

Codebases on Share

Status, health and history

The screenshot shows the Unison Share interface. At the top, there are navigation tabs: 'Unison Share' (selected), 'Catalog', 'Codebase', and a search bar. On the right is a user profile icon.

The main content area is titled 'Simon's Codebase'. It displays the 'Codebase Overview' with a sub-section 'Get a full overview of your codebase and its happenings.' Below this are sections for 'CODEBASE DETAILS' (Current Hash: #48Jk29mP, Last synced: ~13 mins ago, Size: 25341 entities (~6MB)) and 'CODE' (a list of files: README, unison, myProjects, blog, Ticket type, testingEquality). A red annotation 'Latest details about your codebase' points to the overview section.

To the right is a 'Sync history' section with a red annotation pointing to it. It lists recent sync events:

- Synced #48Jk29mP (25341 entities) ...
142.250.80.46 • Seekonk, MA • ~13 mins ago
- Synced #KyHr2eq1 (24247 entities) ...
142.250.80.46 • Seekonk, MA • Mar 10, 2022
- Failed to sync #Ac21GHq7 (14721 entities) ? ...
142.250.80.45 • Providence, RI • Feb 25, 2022
- Synced #MK31j49s (12823 entities) ...
142.250.80.46 • Seekonk, MA • Feb 24, 2022
- Synced #cASw37K2 (11727 entities) ...
142.250.80.46 • Seekonk, MA • Dec 03, 2021

At the bottom right of the sync history section is a 'View full log' button.

Codebases on Share

Projects and sketches

The screenshot shows the Unison Share interface. On the left, there's a sidebar with navigation links: 'Unison Share' (selected), 'Catalog', 'Codebase' (selected), and a search bar. Below these are 'Simon's Codebase' (last synced ~13 mins ago), 'Overview' (selected), 'Projects' (6), and 'Sketches' (19). The main area is titled 'Codebase Overview' with a sub-section 'CODEBASE DETAILS'. It shows 'Current Hash: #48Jk29mP', 'Last synced: ~13 mins ago', and 'Size: 25341 entities (~6MB)'. To the right is a 'LATEST SYNC HISTORY' log with entries for syncs and failed syncs. Handwritten annotations in pink highlight the sidebar menu and the codebase details section. A red arrow points from the handwritten text 'Navigate between major entities in your codebase' to the 'Overview' button in the sidebar. Another red arrow points from the handwritten text 'Browse the your codebase, with the Finder and tree view' to the 'CODE' section and the tree view icon.

Simon's Codebase ?
Last synced: ~13 mins ago

Overview Projects 6 Sketches 19

CODE

SEARCH

Codebase Overview
Get a full overview of your codebase and its happenings.

CODEBASE DETAILS

Current Hash: #48Jk29mP
Last synced: ~13 mins ago
Size: 25341 entities (~6MB)

LATEST SYNC HISTORY

Synced #48Jk29mP (25341 entities) ...
Synced #KyHr2eq1 (24247 entities) ...
Failed to sync #Ac21GHq7 (14721 entities) ...
Synced #MK31j49s (12823 entities) ...
Synced #cASw37K2 (11727 entities) ...

NAVIGATE BETWEEN MAJOR ENTITIES IN YOUR CODEBASE

BROWSE THE YOUR CODEBASE, WITH THE FINDER AND TREE VIEW

Projects

A core Unison concept

Projects

Readme

The screenshot shows the Unison Share interface. At the top, there are navigation links: "Unison Share", "Catalog", "Codebase", and a search bar with the placeholder "Search across all projects, users, and definitions". On the far right is a user profile icon.

The main area displays the project "hojberg . textExtra". It includes a dark sidebar on the left with project statistics: 1282 stars and 3482 forks. A prominent button says "Download latest release—v2.3". Below this are links for "Overview", "Releases", "Tickets", "Merge Requests", "Branches", "Activity", and "MIT License".

The main content area starts with a "README" section. It features a heading "Text.Extra" and a status indicator "Status: v1". A brief description follows: "A collection of [Text](#) helper functions in addition to the base library. Inspired by text and string functions from Elm and JavaScript." Below this is a code snippet:

```
Extra.contains "world" "hello world"  
↓  
true
```

Under the code snippet is a "Highlights" section with a bulleted list of functions:

- all
- any
- at
- contains
- startsWith
- endsWith
- filter
- reject
- splitWhen
- toLower
- toUpper
- ...

Projects

Navigation

The screenshot shows a project page for "hojberg . textExtra". The left sidebar includes links for Overview, Releases (7), Tickets (12), Merge Requests (3), Branches (123), Activity, and MIT License. The main content area displays the README, project details, and highlights. A red arrow points from the text "Navigate Project features, like releases and merge requests" to the sidebar. Another red arrow points from the text "Browse Project code as normal with the Finder and tree view" to the code navigation section at the bottom.

Unison Share Catalog Codebase

Search across all projects, users, and definitions

hojberg . textExtra

1282 3482

Download latest release—v2.3

Overview

Releases 7

Tickets 12

Merge Requests 3

Branches 123

Activity

MIT License

CODE

README doc

docs

Text type

Text

README

Text.Extra

Status: v1

A collection of `Text` helper functions in addition to the base library.
Inspired by text and string functions from Elm and JavaScript.

← Navigate Project features,
like releases and merge requests

← Browse Project code as normal
with the Finder and tree view

Highlights

- all
- any
- at
- contains
- startsWith
- filter
- splitWhen
- toLower
- toUpper

Project Settings

Collaborators, features, and visibility

The screenshot shows the Project Settings page for a project named "hojberg . textExtra". The page is divided into several sections:

- Unison Share**, Catalog, Codebase, and a search bar at the top.
- Project Settings** header with a subtitle "Configure Project, visibility, and collaborators".
- COLLABORATORS** section with a list of users: Rebecca M. (@rlmark) with role Admin and Paul C. (@pchiusano) with role Write. A red arrow labeled "Setup collaborators" points to this section.
- SETTINGS** section showing the project is Public and owned by the user. A red arrow labeled "Manage visibility and ownership" points to this section.
- FEATURES** section with toggles for **Releases**, **Tickets**, and **Merge Requests**. A red arrow labeled "Toggle Features" points to this section.
- SIDE BAR**: Overview, Releases (7), Tickets (12), Merge Requests (3), Branches (123), Activity, MIT License, Open definitions (6), README doc, docs, and Text type.

Annotations in red text and arrows highlight the "Setup collaborators", "Manage visibility and ownership", and "Toggle Features" sections.

Project Releases

Collaborators, features, and visibility

The screenshot shows the Unison Share interface with a dark theme. At the top, there are navigation links: 'Unison Share' (highlighted), 'Catalog', 'Codebase', and a search bar. On the right is a user profile icon.

The main content area displays a project named 'hojberg . textExtra'. It shows statistics: 1282 likes and 3482 downvotes. A prominent button says 'Download latest release—v2.3'. To the left is a sidebar with project navigation links: Readme, Releases (7), Tickets (12), Merge Requests (3), Branches (123), Activity, MIT License, and Settings. Below the sidebar is a code editor with some sample code and a search bar.

The central area is titled 'Project Releases' with the sub-instruction 'Download the latest release of hojberg.textExtra'. It features a 'LATEST' section for version v2.3, dated June 16, 2022, by Simon H. The release notes mention adding new Text helpers: `Text.Extra.contains`, `Text.Extra.startsWith`, and `Text.Extra.endsWith`. Buttons for 'View Diff' and 'Download' are present.

Below the latest release is a 'PAST RELEASES' section for version v2.2, dated May 28, 2022, by Simon H.

Red annotations are present: a red arrow points from the text 'Projects will include a place for current and past releases' to the 'PAST RELEASES' section; another red arrow points from the same text to the 'View Diff' button.

Projects will include a place for current and past releases

```
unique type Project
  = { id : ProjectId
    , name : Optional Text
    , summary : Optional Text
    , tags : Set Tag
    , maintainers : Set Author
    , website : Optional Url
    , releases : Releases
    , devDependencies : DevDependencies
  }
```

Projects

Initial version soon after Share Next

Read the WIP proposal

<share.unison-lang.org/latest/namespaces/hojberg/project>

Structural Diffs

To power Releases and Merge Requests

Gray indicates commented
elements, unrelated to the diff

Yellow indicates change →

```
Text.Extra.startsWith : Text → Text → Boolean
Text.Extra.startsWith needle haystack =
  go acc t =
    match Text.uncons t with
      Some (c, suffix) →
        acc_ =
          Text.Extra.snoc acc c
        if acc_ = needle then true
        else go acc_ suffix
      None → false
  go "" haystack
```

Lines indicate which code elements
a comment is about ↗

Function call change

+ Text.uncons t
- Text.Extra.uncons t

Simon H. @hojberg he/him

3 hours ago

I figured out that there already was
an uncons in base.Text. Same
signature, but better optimized 🎉



Text.uncons, Text.Extra.snoc

Paul C @pchiosano he/him

7 minutes ago

Like with Text.uncons, I think there
actually already is a snoc in
base.Text 😊

Autogenerated summaries
based on code elements

Comment in Unison Doc

Custom Themes

Collaborative Editing

Sketches

Custom Formatting

Structural Editing



Much, Much More

Projects

Direct Unison Cloud Integration

Security

Split panes

Visual Dependency Graphs

Unison ❤ UX

Software should be Human

#ui-ux