Contributing to the Guix Data Service as an Outreachy intern

https://data.guix.gnu.org/
Hello!

This is Danjela
Fresh Computer Science Undergrad
Outreachy ‘20 Intern
Recently joined Acrolinx
What is the Guix Data Service?
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“The aim of the Guix Data Service is to provide a complementary interface to Guix itself, providing a different way of interacting with Guix data, which hopefully enables tools and services that otherwise wouldn't be feasible to write.”
Outreachy

- Internship program that provides internships in open source projects and open science initiatives.

- Interns are people subject to systemic bias, impacted by underrepresentation in their local technical industry.

- Aimed at improving diversity in Free and Open Source communities.

🌐 Remote - both interns and mentors work remotely

⏰ 3 months - internships run May to August, or December to March

https://www.outreachy.org/
Improving Internationalization Support for the Guix Data Service
Improving Internationalization Support for the Guix Data Service

Provided translations for:
- package synopsis and descriptions
- lint checker descriptions
- lint warning messages
How was this accomplished?

- With the help of my mentor, Christopher Baines! Very thankful to him for his time and patience!

- In a nutshell:
  - Utilized the guix i18n module to extract the translations
  - Stored them in the PostgreSQL database
  - Made them available via the Web Interface and API

https://www.outreachy.org/
Package: audacity @ 3.1.3

Synopsis  Software for recording and editing sounds
Description Audacity est un éditeur audio multi-pistes conçu pour enregistrer, jouer et modifier des sons numériques. Il propose des effets numériques et des outils d'analyse spectrale.
Home page https://www.audacityteam.org/
Location gnu/packages/audio.scm (line: 768, column: 2)
License GPL 2+
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Lint warnings

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<tr>
<th>Linter</th>
<th>Message</th>
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<tbody>
<tr>
<td>input-labels</td>
<td>la etiqueta &quot;gettext&quot; no corresponde al nombre del paquete gettext-minimal</td>
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Skills Gained

Guile Scheme
Git
SQL Query Optimization
Building Confidence
Potential Next Steps

Guix Weekly News

https://prototype-guix-weekly-news.cbaines.net/

Incorporating the search functionality for packages in the Guix Website

https://guix.gnu.org/en/packages/
Don’t be afraid to:
Don’t be afraid to:

break things
Don’t be afraid to:

- break things
- ask questions
Thank you!