

# Tux Paint – Google Summer of Code – Tux4Kids

## Personal Details

- Name: Walterio Fernando Girón Leverón
- College/University: Ceutec - Centro Universitario Tecnológico
- Course/Major: Software Engineering
- Email: [walterio009@hotmail.com](mailto:walterio009@hotmail.com)
- Availability:
  - 2:00pm – 10:00pm CST
  - Start on April 27<sup>th</sup>, end by August 28<sup>th</sup> and continue working if there's a chance to continue improving the project.
  - The only factor that could affect my availability would be the college.

## Background Information

My main interest in working with the Tux Paint project would be to acquire experience in open source projects and mostly programming experience.

I have used C on many classes but haven't done any large project, so I'm really interested in getting to know how to use it in big projects.

In case this project would still need some polishing I'd also like to continue working on the project or see if there's any other project I'd be able to work on.

The software development environments I'm most familiar with is Microsoft Visual C++ 2010 Express and Visual Basic.

The software documentation tool I'm most familiar with is Microsoft Word.

## Project Proposal

To begin with, my main goal would be to complete the main proposal, create the paint mode capable of creating tillable draws that match side by side forming a mosaic, and also improving the magic tool, and giving most of the features the option of resizing them. I already tried Tux Paint and could notice the lack of resizing the stamps and other features, was thinking that maybe adding a zoom in/zoom out would be a good add for Tux Paint and also the brush option would need some polishing as for some of the last options when drawn as a line they seem to overlap the other, could try and go ahead and make it look more like the arrow option.

## Proposed Milestones and Schedule

- Add the tillable draws that match side by side forming a mosaic.
- Improve the magic tool.
- Add resizing option for the features.
- Add Zoom in/Zoom out feature.
- Small fixes to the brush feature.

## **PRE-GSOC**

Begin to read the code and start learning how to implement graphic methods to work with the Tux Paint.

## **Mid-Term**

Have the tillable draws already working as well the magic tool with a lot progress.

## **Final Evaluation**

Have all the proposed milestones completed.

## **After GSOC**

Continue working and improving on the features and the tools of Tux Paint. And if possible contribute to other projects in Tux4Kids.