

## **KolibriOS Application**

### **Full name**

Kevin Oh

### **E-mail address**

kevoh1516@gmail.com

### **Nickname**

kohsine

### **Age**

25

### **Country + city of residence**

Canada, London

### **Human Languages you speak**

English - mother tongue

### **Name of college or university you are accepted into or enrolled in + link to their website**

Graduated from the University of Toronto in 2022. <https://www.utoronto.ca/>

### **Name of program (or faculty, or department) in that college/university you are accepted into or enrolled in**

Bachelors of Computer Science

### **Your current timezone in UTC/GMT terms**

UTC-5

### **Have you been involved with any open-source project in the past? If yes, which one, and what have you done for that project?**

KolibriOS: <https://git.kolibrios.org/Rust/Core/pulls/9> Made a PR to the KolibriOS rust crate to help out my kind of bare application. It adds SF\_PUT\_PIXEL functionality to the crate.

Modrinth: <https://github.com/modrinth/knossos/pull/616> I basically updated the form to have frontend validation instead of going to the backend and returning a cryptic error.

Fireshare: <https://github.com/ShaneIsrael/fireshare/pull/190> Fixed a bug where a new user wouldn't see the upload button on first page load.

### **Code samples - please provide links to code that you have written**

<https://github.com/kohsine/CreateMetadataScript> <https://github.com/kohsine/Open-RFP>

**The task you are willing to work on from our list of Summer of Code 2024 ideas**

Rust library development

**What other time commitments, such as school work, another job, planned vacation, etc., will you have between May 27 and August 26?**

I'm working on and off doing Web3 stuff as a contractor but I'm limiting it to 5-10 hours a week to pay the bills. Otherwise the vast majority of my time will be spent working on KolibriOS.

### **Plan**

There are currently 17 implemented functions inside of the rust library. From what I counted from sysfuncs.txt there are approximately 227 total functions including subfunctions (possibly more). This means that my plan is to implement the remaining 210 functions by the end of the summer. Additionally every function will have at least one example that demonstrates how to use the function and also serves as a basic test. The timeline will be tight as this means I need to implement at least two functions every day on top of the examples. For the order I was thinking of going from the first function to the last but if there are more important functions then I can work on those first.

I don't have much relevant experience on large Rust projects but I hope the PR I submitted where I implement one sysfunc to show that I can do the work shines me in a good light.

P.S. Thank you to the KolibriOS team for giving me feedback and being super helpful and responsive the entire way through. I get good vibes from the team and I would love to work with you guys. Hopefully you guys feel the same and if not, no hard feelings.