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Features, Updates, and Insights: OpenProcessing Year-in-Review

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The Creative Coding Brief

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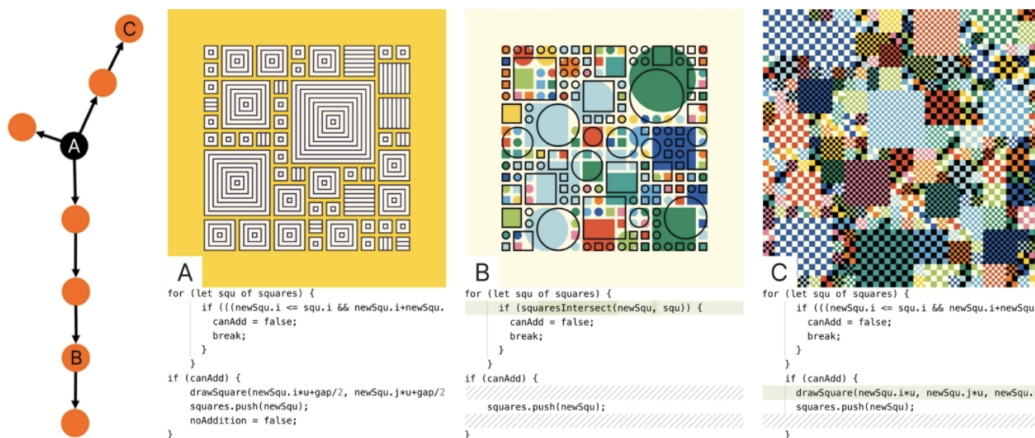
OpenProcessing Year in Review

2023

As we brought 2023 to a close together, we want to reflect on the many features

and updates, brought to you by 778 Github commits throughout the year, on our mission to enable creative coders further explore, create, learn, and share at the intersection of technology and arts.

Firstly, our code editor now offers **AI-assisted debugging with GPT4**, helping you to resolve issues on sketches with ease. We also improved the **sketch forks list with thumbnails and parent-child markers**, making it easier to see the differences and navigate within forks easily. Furthermore, researchers from the University of Washington, Blair Subbaraman, Shenna Shim, Nadya Peek, published a **comprehensive analysis of forking behavior** on OpenProcessing, shedding light on the intricacies of our vibrant community.



Analysis of Roni Kaufman's fork instance, by Blair Subbaraman, Shenna Shim, Nadya Peek

We also improved how you can provide feedback on sketches in private. You can now **keep your comments private or public**, and **post quick-replies with emojis** 🗨️, adding a touch of whimsy to your interactions. You can now simply **drag and drop your local text file formats** (js, html, css, json, ...) directly into the code tabs area to effortlessly import your projects.

The **OpenProcessing Configurator** (OPC) has undergone significant updates to give you more control over your parametric designs. You can now incorporate **dropdowns effortlessly using OPC.select** and enhance the user experience with **labels and descriptions**. Additionally, you can now **set your sketch parameters via URL parameters**.

On the **education front**, teachers can now share **sketch templates** with students to let them kick start their projects. We also **enabled filters for students** to help them easily navigate through class sketches and collections. With the **collection permalinks**, teachers can directly share class collections with students.

Excitingly, we launched the **Beta API** at <https://openprocessing.org/api> to open up new possibilities to query and integrate OpenProcessing with external tools and platforms.

We are a big fan of Raphaël de Courville's **Weekly Coding Challenges**! To throw our support, we implemented a **curation bot to automatically post your sketches** submitted to **his curation to the Discord channel**, allowing you to join the challenge easier. On **his Twitch stream**, we had the opportunity to talk about OpenProcessing and **chat with Richard Bourne**, OpenProcessing's most active user of all time.

Behind the scenes, we have been dedicated to optimizing performance and fortifying security with countless under-the-hood improvements ensuring a seamless and secure experience for all users.

Looking ahead, we are excited to kick off 2024 with **#Genuary calendar** to let you keep track of your sketches for **Genuary**, organized **by the creative coding community** to create a sketch every day! Our forthcoming **Infinite Loop Protection library**, written from scratch to use a node-level analysis of your code instead of word lookups, is now **live on our beta site**, for you to try it. We also laid the groundwork for **Javascript ESM support**, that will allow you to use new Javascript standards and modules in the near future.

Thank you for being a vital part of the OpenProcessing community. Together, we have built a vibrant and inspiring platform for creativity and exploration for **over 15 years**. As we step into 2024, we are eager to embark on new adventures and discoveries with you. Let's continue to push the boundaries of creative coding together and see our creativity leave all the AI-generated content in the dust. 🚗



Sinan from OpenProcessing

Sent with code & love by OpenProcessing
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