Assembly to Host Global Tattoo Algorithm Competitions in 2025 in Collaboration with Ethereum & Polkadot Co-Founder

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A Groundbreaking Algorithmic Tattoo Design Contest Merging Web3 Individuality and Art

The Entropretty Competition, a global contest for developers, designers, and artists, will debut at **the Assembly Winter 2025 event in Helsinki Finland.** This unique competition, hosted by Assembly **in collaboration with Ethereum co-founder Dr. Gavin Wood**, challenges participants to create algorithmically generated tattoo designs that serve as decentralized digital identities.

The competition aligns with Gavin Wood's vision—co-founder of Ethereum and creator of Polkadot—for a privacy-first, Sybil-resistant individuality solution in Web3. The first mechanism for claiming individuality is named, 'Proof-of-Ink' and pioneers blockchain-based individuality through tattooed generative art, solving key issues in digital verification.

"Digital identity is one of the biggest challenges in Web3, and Proof-of-Ink provides a novel approach to solving it without sacrificing privacy," said ***Gavin Wood.*** *"By merging generative art with blockchain technology, we're creating a new way for individuals to verify their uniqueness in a decentralized world."*

Why Proof-of-Ink Matters

Proof-of-Ink redefines digital identity verification in Web3 by providing a privacy-first, decentralized alternative to traditional KYC systems. Instead of relying on centralized databases or biometric tracking, this method ensures trustless and unique identity verification without compromising personal data. This feeds into a broader protocol, that any product can use in the future to verify individuality.

"Assembly has always been about pushing the boundaries of technology, art, and gaming," said ***Lassi Nummi, CEO of Assembly Organizing****. "Hosting the Proof-of-Ink competition at Assembly Events in collaboration with Gavin Wood perfectly fits our mission to inspire and challenge the creative and developer communities worldwide."*

Join the Future of Digital Individuality

The Entropretty Competition invites developers, artists, and blockchain enthusiasts worldwide to contribute to this cutting-edge initiative. Winners will gain global recognition in the Web3 community and help shape the future of decentralized individuality.

Key Competition Details

- Prize Pool: Total: $8,000 in $DOT crypto, split across Assembly Winter 2025 and Assembly Summer 2025.
- Open to all globally—anyone can participate and submit their designs online.
- Tattoo-friendly algorithmic designs—each output must be unique, clear at small sizes, and compatible as a tattoo design.
- Three seed types for design generation: Entropy (randomized), Personal ID (unique per participant), and Account ID (Web3-based).
- Fast execution—algorithms must render results efficiently within 300 milliseconds.
- No external dependencies—self-contained, reproducible code.
- Test your designs via Entropretty App: https://entropretty.com and submit your best designs through the Assembly Partyman system at https://scene.assembly.org/
- Max three submissions per category, per person (9 submissions total).

Media:









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Assembly :: Entropretty :: Proof-Of-Ink :: Algorithmic Tattoo :: Generative Art :: web3 Identity :: Blockchain Tattoo :: Gavin Wood :: Ethereum :: Polkadot ::

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A panel of judges, including Entropretty, Assembly representatives, and Tattoo Artists will evaluate submissions, with winners announced on February 22, 2025.

For full competition details, visit:

https://assembly.org/en/events/winter25/program/entropretty-tattoo-design-algorithm-competition

Media Contact:

Entropretty
entropretty@gmail.com
https://x.com/entropretty

Assembly Organizing Oy
Lassi Nummi, CEO
+358405132723
lassi.nummi@assembly.org
assembly.org

About Assembly:

Assembly Computer Festival organized in Helsinki, Finland is one of the world's leading gaming, digital art, and esports festivals, bringing together thousands of gaming enthusiasts, esports professionals, and digital creatives at the Helsinki Exhibition Center while reaching a global audience online. Established in 1992, Assembly has become an internationally recognized event celebrating gaming, esports, and demoscene culture. Held twice a year, Assembly Winter (February 20–23, 2025) and Assembly Summer (July 31–August 3, 2025) bring together gaming, esports, demoscene competitions, gaming expos, and creative coding challenges, offering a diverse program for digital culture enthusiasts. More than just an event, Assembly is a cultural phenomenon that has inspired generations of developers, artists, and digital innovators, shaping the future of interactive entertainment. Assembly is organized by Assembly Organizing Oy. For more information, visit assembly.org.

About Proof-of-Ink:

Proof-of-Ink is a Web3 initiative pioneering digital individuality through algorithmically generated tattoos. Developed with principles championed by Dr. Gavin Wood, it aims to establish privacy-first identity verification in decentralized networks. https://x.com/entropretty

Company Contact:

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Assembly Organizing Oy

T. +358405132723
E. lassi.nummi@assembly.org
W. https://assembly.org/

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