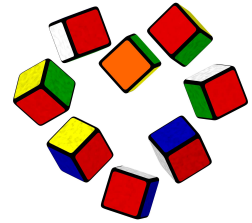


Lucas Garron

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A mathematician and hacker with a specialization in security.
Extensive experience in web-related software engineering,
and the world's foremost expert in an unusual set of topics.

Education

- **Stanford University** — 2008 to 2012 — B.S. in Mathematics
- **Stanford University** — 2012 to 2014 — M.S. in Computer Science (Theory/Cryptography)

Tech Skills

- **Expertise:** cross-platform web apps, web security, HTML+CSS, JavaScript/TypeScript, Rust, git, code repository organization, shell coding, sysadmin, web standards
- **Extensive experience:** Go, Java, Python, C, C++, PHP, Mathematica, 3D modeling, UX/accessibility
- **Graphics / animation:** UI mockups/assets, CSS, SVG, vector/raster editors, ImageMagick
- **Sysadmin / webmaster** for worldcubeassociation.org, cubing.net, crypto.graphics, etc.

Experience

- **Head of Product Engineering** at **Red Queen Dynamics** (startup)
 - Full-stack frontend engineering in Django (Python), backend higher-performance code in Rust
 - General management of technology stack / engineering / development practices
- **Product Security** at **GitHub**
 - Internal projects: frontend security, database encryption, internal security consulting
 - Collaborating on open security standards like [WebAuthn](https://webauthn.org), passkeys, and trusted types.
 - Started and maintained [@github/webauthn-json](https://github.com/webauthn-json) — now a widely used library
- **Usable Security Engineer** for **Chrome web browser** at **Google Inc.** (2014-2017)
 - Contributions to HTTPS adoption (2014-2017) , introducing the [DevTools security panel](https://devtools.chrome.org/doc/relnotes/2.0.0.html#security-panel) (2015)
 - Maintained and developed the the HSTS security preload list (2015-2017)
 - Started and maintained widely used test sites: badssl.com and permission.site
- **Security Intern** at **Dropbox** (2013), **intern** at **Wolfram|Alpha** (2010)
- Additional experience as teacher, teacher's assistant, researcher, and startup engineer.

Rubik's Cube

- Former President of the *Stanford Cube Club* with experience organizing competitions.
- Co-founder of the WCA Regulations Committee (standards body for Rubik's Cube competitions).
- Maintainer of flagship community software for cubing, such as cubing.js .