

Tim Nguyen

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Software engineer

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<https://github.com/nt1m>

Open-source volunteer with **6 years** of experience working on Firefox using **web technologies** and **low-level languages**. I hold a **Computer Science MEng** from the **University of Bristol**. Other projects can be found on my Github account, including personal projects and coursework.

Student, University of Bristol

Sep 2016 – Aug 2020 · Computer Science with Study Abroad (MEng) · 2:1 (Upper second class)

- Won “Sony/SN systems award for best software development project” for the final year project
- Created a AWS cloud nonce discovery program in cloud computing course
- Had group projects on Robotics, Compilers, Language theory, Computer security, ML or HCI
- Worked with Scala, Haskell, C, Java and Python
- Spent third year on exchange in Switzerland at EPFL

Volunteer, Mozilla

I have been deeply involved in the Firefox project from planning, developing to advocating features:

- Implemented and shipped CSS conic-gradient() in Firefox's rendering engine (C++, Rust)
- User agent emulation for Firefox DevTools (C++, JS)
- Implemented dark mode and HIDPI support for Firefox's UI
- Suggested and implemented browser extension APIs based on add-on developer needs
- Rewrote parts of DevTools from XUL to React
- Active peer of the Firefox Desktop Theme & Preferences & DevTools modules
- Wrote blog posts about new Firefox features on Mozilla Hacks

Software Engineering Intern, Mozilla

Jul 2019 – Sep 2019 · Mountain View, California

Helped shipping Firefox Lockwise for Firefox Desktop 70 by taking on high priority issues:

- Finished up the password generation feature with two other engineers
- Collaborated with the design and product teams to polish the new password management UI

Also worked on removing XUL, a legacy language used by Firefox Desktop.

Software Engineering Intern, Mozilla

Jun 2018 – Sep 2018 · London, United Kingdom

Extended the Firefox Desktop WebExtensions theme API:

- Added new API properties
- Added the experiments API for developers to extend the theme API themselves
- Unblocked the add-ons team to release static theme support on addons.mozilla.org

Software Engineering Intern, Mozilla

Jun 2017 – Sep 2017 · Paris, France

Improved developer workflows with Janitor (<https://janitor.technology>):

- Created an UI to manage configuration files (.gitconfig, .hgrc) across docker containers
- Worked on Cloud9 plugins to allow a full contribution experience inside Janitor
- Added a Mercurial docker image for Firefox developers
- Worked on discardable docker containers