

Maxwell R. Gottlieb

maxwell@airmg.me / gottlieb@uchicago.edu | +1 (872) 817-0706

gtmx.me/projects | linkedin.com/in/maxwell-gottlieb | github.com/gotmax23

EDUCATION

The University of Chicago

Chicago, IL

Pursuing Bachelor of Arts in Computer Science and Minor in Middle Eastern Studies

Expected, June 2028

Fusion Academy

Lake Forest, IL

Diploma, June, 2024

GPA: 4.70/4.00

Honors: Illinois State Scholar

EXPERIENCE

Ansible Project

Remote

Steering Committee Member; Engineer; Release Manager

2021-Present

- Oversaw the Ansible package, part of the Ansible open-source IT automation system, and overall community health and submitted 20+ proposals to improve package quality and streamline inclusion and release processes
- Maintained Python-based Antsibull tooling to build package artifacts and check Guidelines compliance
- Developed and monitored package release schedule, served as Release Manager, and implemented PyPI release process automation using GitHub Actions, decreasing package build time from 1 hour to 5 minutes
- Created package inclusion policies to govern the 100 component collections and authored extensive Python-based automation and GitHub Actions pipelines to check for policy violations and notify offenders, increasing package quality
- Facilitated communication between stakeholders across the Ansible Project and associated open-source projects

Fedora Linux

Remote

Engineer; Proven Packager; Packager Sponsor and Mentor

2021-Present

- Served as advanced maintainer personally responsible for 50+ packages and group maintained thousands more as a member of the Go Language, Python, and Extra Packages for Enterprise Linux Special Interest Groups (SIGs)
- Authored multiple sets of packaging macros and other widely-used developer tooling in Python and Lua, including repository querying tool [fedrq](https://fedrq.org/) and TOML patching tool [tomcli](https://tomcli.org/), that decreased package spec-file complexity, prevented broken updates, and mitigated shortcomings of legacy tooling
- Mentored new packagers and completed 60 detailed reviews of package candidates to ensure compliance and adherence to best practices, increasing the basis of competent package maintainers and the breadth of available packages
- Led distribution-wide clean-up efforts to identify and remove hundreds of unused libraries, reducing maintenance burden and allowing developers to focus efforts on useful packages
- Presented twice at the yearly Flock to Fedora contributors summit, including a 50-minute talk about [fedrq](https://fedrq.org/)

LEADERSHIP & ACTIVITIES

Coalition for Family Building

Chicago, IL

Tech Volunteer

2023-Present

- Authored advanced scripts and filters to consolidate grant information and documentation for 100+ couples perusing fertility treatment or adoption, increasing efficiency
- Administered Google Workspace, Constant Contact, DNS, and Wordpress and ensured systems were up-to-date, secure, and properly configured

SKILLS

Engineering: Open-source Software; Linux; Software Packaging; Git; CI/CD Systems (GitHub Actions, Gitlab CI, builds.sr.ht); Docker; Code Review (GitHub Pull Requests, GitLab Merge Requests, git-send-email)

Tools and Languages: Fluent in Python, Shell Scripting, and Ansible; Proficient in Lua; Background C++