

# Miles McCain

❖ *A privacy advocate, researcher, programmer, and writer who wants to make information more accessible and enact meaningful change using technology*

❖ **Programming & CS:**

- Python
- C (& Obj-C)
- Java
- JavaScript
- HTML+CSS
- Network engineering
- DataVis+Design

❖ **Interests:**

- Foreign policy
- Digital privacy & law
- Writing & journalism
- Computer programming
- Encryption & cybersecurity

## EDUCATION

**Phillips Academy Andover** — rising Junior — latest GPA: 6.0 (on 6.0 scale)

Awards: Webster Prize (*for excellence in the social sciences*), David G. Wood Fellowship (*for excellence in writing*), Physics Prize.

Leadership Positions: Blueshells (*cybersecurity team, founder*), Techmasters (*co-president*), Robotics (*co-president*), Gender & Sexuality Alliance (*board member*), WPAA (*campus radio station, board member & technician*), UNICEF Club (*board member*).

Athletics: Boys Varsity Rowing (2<sup>nd</sup> boat, sophomore year), Wrestling

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## SELECTED INDEPENDENT PROJECTS

*Collectively, my websites and projects have been used over two million times:*

- > [PolitiTweet](#) — archiving the deleted tweets of public figures for journalists, researchers, and the general public. More than 1.5M tweets archived
- > [WhoAreMyRepresentatives.org](#) — a site to easily identify all the public figures representing any given U.S. residential address, from the President to the local sheriff; featured in several major news publications
- > [BibleOrQuran.org](#) — a site that aims to destigmatize the Qur'an by using a variety of psychological tactics designed to minimize prejudice
- > [FOIA.fyi](#) — a site that simplifies the process of submitting a Freedom of Information Act request to the government
- > [WorthHiding.com](#) — an online publication dedicated to issues of foreign policy, digital privacy, law, and cybersecurity; I publish on WorthHiding frequently
- > [OPENWI:RE](#) — a weekly newsletter highlighting the best of the week's adversarial journalism and "think" pieces, with an emphasis on issues of foreign policy, digital privacy, and technology
- > [TBIJ API](#) — an API for journalists, developers, and researchers to interact with the Bureau of Investigative Journalism's drone strike data
- > [LibreNews](#) — an open source website and Android App that provides customizable, reliable, secure, and timely breaking news notifications
- > [OpenParser](#) — an open-source Python library for extracting important information from unstructured webpages; popular tool for online start-ups
- > [Other Open Source](#) — I have created and published over 30 open-source code repositories on GitHub, and have contributed to 20 others

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## RELEVANT PROFESSIONAL & VOLUNTEER EXPERIENCE

### **Founder & Director at *Politiwatch*, a 501(c)(3) nonprofit**

*August 2016—present*

- > Created Politiwatch, a technology & advocacy nonprofit
- > Politiwatch is a proxy for my personal work
- > Sponsors include Google, DigitalOcean, and ProtonMail

### **Torch (NYC startup)**

*Summer 2017*

- > Led the development of Torch's "scraping" technology
- > Rebranded a major element of the Torch platform, making the platform more immediately useful and accessible to non-technical users
- > Provided the company with gigabytes of invaluable civic information through personal APIs I developed

### **Lead Organizer at *PACTF***

*September 2016—present*

- > Managed sponsors, problem sets, advertising, and digital infrastructure (effectively the entire competition) for PACTF, an annual cybersecurity competition for high school students
- > Over 1,500 students actively participated in PACTF 2017 to compete for over \$20,000 worth of prizes
- > Our sponsors included Amazon, J.P. Morgan, DigitalOcean, ProtonMail, Cloudflare, Carnegie Mellon University CyLab (Security and Privacy Institute), Carnegie Mellon University Information Networking Institute, and Phillips Academy Andover

### **"Freelance" Programming, Writing, and Design**

*October 2014—November 2016*

- > Created software, text, and graphics for over 200 clients
- > Projects included full-blown desktop apps, company blog posts, product descriptions, websites, and logos
- > Specialized in data-driven applications

### **Volunteer Work**

*September 2013—present*

- > PDO Writing — *teaching underprivileged children to write well*
- > Coding Circle — *teaching essential computer science skills to children*