

Open source software developer Open source software developer Salt Lake City, UT Authorized to work in the US for any employer Work Experience Open source software developer 2015 to Present Development of several improvements and fixes for various open source software projects. Major examples include contributions to the Clang and Go compilers and the Tor anonymity network. Teaching assistant University of Utah - Salt Lake City, UT 2018 to 2018 Teaching assistant for Professor Tamara Denning's security course for undergraduates. Helped design the curriculum and exams. Gave a guest lecture. Miscellaneous Research assistant University of Utah - Salt Lake City, UT 2016 to 2018 Research work toward my PhD with Professors Eric Eide and Tamara Denning. Tor relay operator 2012 to 2017 Administrated several personal servers which ran as Tor anonymity network relays, including exit nodes. Was an active member of the Tor community and contributed patches and documentation. OpenBSD developer 2015 to 2016 OpenBSD. Performed security audits and merged numerous patches for the OpenBSD operating system. Became an official member of the OpenBSD development team. System administrator Swarthmore College Computer Society - Swarthmore, PA 2014 to 2016 Volunteer work for my college's computer club, which ran several services used by the college. Led a major security audit and revamped our servers in response to multiple security breaches. Open source software developer Google Summer of Code - Swarthmore, PA 2015 to 2015 Paid open source software development. Performed security analysis of and wrote code for the Pidgin chat client. Bioinformatics research assistant Johns Hopkins University - Baltimore, MD 2014 to 2014 Paid research internship with Professor Ben Langmead. Helped adapt an algorithm that generates phylogeny trees to align sequencing reads using annotated repeat sequences. Computer science research internship Colgate University - Hamilton, NY 2013 to 2013 Paid research internship with Professor Vijay Ramachandran. Developed a successful deanonymization technique for Bitcoin accounts, concurrently published by Sarah Meiklejohn. Database consulting intern C2 Consulting - Hingham, MA 2012 to 2012 Helped develop an Oracle database system for a major health insurance provider. Education MS/PhD in ongoing University of Utah - Salt Lake City, UT 2016 to 2019 Bachelor's in Computer Science Swarthmore College - Swarthmore, PA 2013 to 2016 Bachelor's Colgate

University - Hamilton, NY 2012 to 2013 Skills OPEN SOURCE, Git, PYTHON, SOFTWARE DEVELOPMENT, Subversion, DATABASE, KSH, UNIX, BASH, CVS, AUTHENTICATION, ANALYZER, CONTROL SYSTEMS, BEST PRACTICES Links <http://github.com/mmcco>

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