

~ Alex Garnett

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Work

DigitalOcean, Senior DevOps Technical Writer; 2021-2023

- Authored and edited public-facing server tutorials to drive product growth.
- Contributed to curriculum development and developer education initiatives.
- Provided support and scoping expertise to the marketing team.
- Helped overhaul content maintenance process using analytics data.
- Maintained interactive browser terminal stack.
- Organized local events for a remote-first team.

AssemblyAI, Senior Docs Editor; 2023

- Wrote and maintained docs-as-code (Docusaurus) repo for AI transcription tools.

Simon Fraser University, Research Data Management and Systems Librarian; 2012-2020.

- Implemented data discovery and data encryption interfaces at a national level in Canada through consultation with stakeholders across universities and in government.
- Designed command line, web, and desktop tools for supporting preservation workflows and contributed to best practices locally around digitization and retention of audiovisual media.
- Liaised with external partners on open source collaborations in digital publishing.
- Helped local independent vendors adopt MediaArea tooling for lossless film transfers.

SocialFlow, Data Scientist; 2012.

- Performed social network analysis of real-time Twitter data for impact maximization.
- Wrote Hadoop queries and pitched media organizations.

City of Vancouver Archives, Digital Project Archivist; 2011.

- Cleaned up and re-structured archival records database; refined user specifications.

NextWerk vTeams, Development Coordinator; 2009.

- Acted as the server technician and client liaison for a distributed web development team.

Education

University of British Columbia, MLIS; 2009-2010.

University of Connecticut, BA, Cognitive Science and Linguistics; 2006-2009.

Selected Publications and Presentations

- Garnett, A. (2022). Learning to Love Your Terminal. *DigitalOcean*.
https://www.digitalocean.com/community/conceptual_articles/learning-to-love-your-terminal.
- Garnett, A. (2022). How To Write a Serverless Function. *DigitalOcean*.
<https://www.digitalocean.com/community/tutorials/how-to-write-a-serverless-function>.
- Garnett, A. (2022). How To Deploy and Configure Meilisearch on Ubuntu. *DigitalOcean*.
<https://www.digitalocean.com/community/tutorials/how-to-deploy-and-configure-meilisearch-on-ubuntu-22-04>.
- Garnett, A. (2022). How To Use minikube for Local Kubernetes Development and Testing. *DigitalOcean*.
<https://www.digitalocean.com/community/tutorials/how-to-use-minikube-for-local-kubernetes-development-and-testing>.
- Garnett, A. (2022). How to Set Up a Video Streaming Server using Nginx-RTMP. *DigitalOcean*.
<https://www.digitalocean.com/community/tutorials/how-to-set-up-a-video-streaming-server-using-nginx-rtmp-on-ubuntu-20-04>.
- Berger, A., Garnett, A., Kaltman, E., Masinter, L., Schwaid-Lindner, W., Rampin, V., and Weber, N. (2021). Reference Guide to Emulation. *Software Preservation Network*. <https://cocky-keller-94bd84.netlify.app>. (URL to change)
- Garnett, A., and Zhang, J. (2020). Lightweight Zero-Knowledge Encryption for Repository Deposit of Sensitive Data. *DLF Forum*.
- Stathis, K., and Garnett, A. (2020). Making a Harvester Harvestable: Federating an OAI endpoint directly from Postgres. *Access Conference*.
- Garnett, A., Winter, M., and Simpson, J. (2018). Checksums on Modern Filesystems, or: On the Virtuous Consumption of CPU Cycles. *iPres*. <http://www.sfu.ca/~garnett/ipres18.pdf>

Skills and Miscellanea

- Hacking & emulation of legacy media for display or retention
- Dataset training, modeling and visualization
- Database and server management and general dev ops provisioning
- Participating in RFP processes guided by government privacy and purchasing requirements
- Editorial process management through Jira
- Microcontroller breadboarding and low-level I/O for digital forensics

Grants and Residencies

Stanford MediaX Publish-on-Demand Competition, 2012

Canadian Internet Registration Authority Community Investment Program, 2015

Nvidia Research Hardware Grant, 2016

Recurse Center (Winter 2), 2021