

## Work

### **DigitalOcean, Senior DevOps Technical Writer II; 2021-2023**

- Authored and edited highly discoverable server tutorials to drive product growth.
- Contributed to curriculum development and developer education initiatives as team lead IC.
- Provided support and topic scoping expertise to the marketing team.
- Helped overhaul content maintenance process using analytics data.
- Maintained interactive browser terminal K8s stack.

### **AssemblyAI, Senior Docs Editor; 2023**

- Wrote, migrated and maintained docs-as-code 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.
- Taught workshops on introductory Python development and data science.
- 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. [How To Make Karaoke Videos using Whisper and Spleeter AI Tools](#). *DigitalOcean*.
- Garnett, A. [Learning to Love Your Terminal](#). *DigitalOcean*.
- Garnett, A. [How to Connect to a Terminal from Your Browser Using Python WebSSH](#). *DigitalOcean*.
- Garnett, A. [How To Fix Common LetsEncrypt Errors](#). *DigitalOcean*.
- Garnett, A. [How To Set Up an NFS Server Using Block Storage](#). *DigitalOcean*.
- Garnett, A. [How To Write a Serverless Function](#). *DigitalOcean*.
- Garnett, A. [How To Deploy and Configure Meilisearch on Ubuntu](#). *DigitalOcean*.
- Garnett, A. [How to Set Up a Video Streaming Server using Nginx-RTMP](#). *DigitalOcean*.
- Garnett, A., and Kiss, L. (2023). Doing Data-Driven Content Maintenance. *Write the Docs*.
- Garnett, A., Kaltman, E., Masinter, L., and Schwaid-Lindner, W. (2021). Reference Guide to Emulation. *Software Preservation Network*. <https://cocky-keller-94bd84.netlify.app>.
- 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