

Martin A. Barker

Bachelors of Science 2019
Computer Science / Cybersecurity
Oregon State University

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Education

- Computer Science / Cybersecurity bachelor's degree; graduated June 2019.
- Student Engineer / DJ at [KBVR FM / TV](#). 2015 - 2019.

Technical Skills

- Programming in Python, Java, C#, and C++.
- Web development with Javascript, HTML, CSS, Django, and SQL.
- Web hosting and deployment with Heroku, GCP, Kubernetes, and Jenkins.
- Version control systems such as Git and Bitbucket.

Zume, Inc*

- Devops Engineer (Software Engineer I) September 2019 - January 2020.
- Deploying services to Kubernetes clusters using Helm.
- Cloud DNS / Ingress load management.
- Google Cloud Platform (GCP) / Google Cloud Registry (GCR).
- Authorization management, alert monitoring, and cybersecurity.
- Writing deployment pipelines in Spinnaker for prod / dev / perf / staging environments.
- Managing Bitbucket webhooks to trigger image builds in Jenkins.
- * Zume's Seattle office was let go in January 2020.

MoxiWorks

- Quality Assurance Engineer Internship (Paid) Summer 2018 - 2019.
- Writing automated test code in Java for MoxiWorks websites / API.
- Improving programming habits by writing code which is scalable and reusable.

Personal Projects

- [tagger.site](#): Generate a timestamped tracklist for files or via a Discogs URL.
- [discogstagger.site](#): Generate metadata tags based on a Discogs URL.
- [vinyl2digital](#): Batch render with Audacity and add metadata tags.
- [commandLineMusicVideo](#): Pip package to render music videos with ffmpeg.
- [popularify.biz](#): Sort a Spotify artist's entire discography by popularity.
- [songsweeper](#): Track user listening via chrome extension, full account auth flow.
- [martinbarker.me](#): Personal website written in Django.

Aspirations

To improve accessibility and how people share / interact with music online, and continue learning new engineering technologies that benefit the world.