Kashav Madan

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Technical Skills

Languages/Frameworks:
Node.js, Go, Python,
JavaScript (React), Java,
C, PHP, SQL, HTML5/CSS3

Software/Tools:
MongoDB, Redis,
MySQL/PostgreSQL, Git,
Docker, EC2/S3/RDS

Education

University of Toronto (2019)
B.Sc., Computer Science
Focus in Computer Systems &
Artificial Intelligence

Employment Experience

UofT Entrepreneurship Hatchery, *Web Developer* (Sep. 2016 - Mar. 2017)

- Contributed to development of Dashboard platform used by Hatchery startups.
- Redesigned platform backend and database structure to take advantage of RESTful architecture.
- Managed various developer operations including version control, deployments, code reviews, and backups.

Ontario Public Service, *Web Developer* (May 2016 - Sep. 2016)

- Designed, developed, and tested software for enterprise-wide Intranet platform with over 40,000 daily users.
- Implemented distributed cache with Redis to significantly reduce page-load and server response times.
- Improved site-wide search functionality by refactoring Elasticsearch implementation and rewriting various front-end search components.

Selected Projects

Chapsule (Ongoing)

A mobile application to collaboratively collect, share, and view photos at events.

Shorten (2017)

A decentralized URL shortener using GitHub Pages.

Drop-In (2016)

An Android application to view ongoing classes at the University of Toronto for any given day and time.

Cobalt (Collaborator, 2015)

A collection of open data APIs to interface with public information from the University of Toronto. Accompanied by **UofT Scrapers**, a set of Python scrapers for public data from around the University of Toronto.

Brampton Transit API (2015)

A RESTful API for live Brampton Transit bus times.

Volunteer Experience

UofT Web Development Club, *Webmaster* (Jan. 2017 - Present)

UofTHacks, *Lead Developer* (Sep. 2016 - Present)

University of Toronto (Dept. of Computer Science), *Ambassador* (Aug. 2016 - Present)