


Aishwarya Ramanathan

Masters Student at the University of Waterloo

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 [aishr.github.io](https://github.com/aishr)

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– Education –

- 2019– Masters Student, MMath
Department of Computer Science, University of Waterloo, Ontario, Canada
Supervisors: Richard Trefler & Arie Gurfinkel
- 2014–2019 Undergraduate Student, HBSc.
Mathematics, Computer Science & Statistics Department, University of Toronto, Ontario, Canada
Specialist in Computer Science & Minor in Mathematics

– Experience –

- Sep 2019– Computer Science Teaching Assistant
University of Waterloo
- Sep 2016–May 2019 Computer Science & Mathematics Teaching Assistant
University of Toronto
- May 2017–Aug 2018 Full Stack Developer Intern
Indigo Books & Music
Experience with C#, React JS, and Azure Cloud Services
Projects include Competitive Pricing & Catalog Cloud Migration

– Publications –

- ▶ Zehra, S., Ramanathan, A., Zhang, L. Y., and Zingaro, D. Student Misconceptions of Dynamic Programming. In Proceedings of the 49th ACM Technical Symposium on Computer Science Education (SIGCSE '18).[Link](#)

– Course Projects –

Spacer Visualizer [\[Source\]](#)

- ▶ Allows a user to view SPACER's exploration tree of potentials proofs and counterexamples

Spacer Dashboard [\[Source\]](#)

- ▶ Summary dashboard of SPACER metrics on a variety of benchmarks
- ▶ includes different views for select metrics (ex. time, memory, num of lemmas, etc.)

– Personal Projects –

Personal Website [\[Source\]](#) [\[Site\]](#)

- ▶ Written in React JS
- ▶ Experimentation project to learn React JS
- ▶ Includes single page app routing for github pages compatibility

Personal Startpage [\[Source\]](#) [\[Site\]](#)

- ▶ Written in HTML/CSS/JS
- ▶ Acts as a browser landing page
- ▶ Includes:
 - ▶ OSX styled shortcut dock with keyboard shortcuts for quickly accessing frequently used websites
 - ▶ Easily modifyable list of term based websites (sites for courses and TAing)
 - ▶ Search bar that handles keyboard shortcuts as well as general search terms