

Ben Asokanthan

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EDUCATION

Western University

London, ON

Bachelor of Science – Honors Specialization in Computer Science, Minor in Software Engineering

2020-2024

- First Year Average: **84.1%** (Dean's Honor List 2021)
- Second Year Average: **92.4%**
- **Courses:** Calculus I and II, Linear Algebra, Computer Science Fundamentals I and II, Computer Architecture, Data Structures and Algorithms, Software Tools and Systems Programming, Intro to Software Engineering, Discrete Structures for Computation, Computer Graphics I
- **Clubs:** Western AI, Computer Science Undergraduate Society, Power to Change Western, Western Engineering Competition, Game Design Society, Western Competitive Programming

EXPERIENCE

Private Tutor

October 2021 – Present

Remote / London, Ontario

- Provided one time and recurring one-on-one tutoring to 5 computer science and engineering students.
- Tutored students to support their learning and success for CS1027, CS2209, and CS2210.
- Moderated a Western Computer Science discord server, answering 100s of questions and growing the program's community.

Day Camp Activity Area Leader

May 2021 – August 2021, May 2022 – August 2022

Forest Cliff Camps

London, ON

- Created and led daily programming (skits, dances, campfire activities, etc.) for all campers (ages 5-11) during the 9 weeks of camp.
- Mentored, and trained weekly groups of 5-15 junior high volunteers (ages 11-14) in leadership and serving skills.
- Oversaw the set up, supervision, and take down of all mobile day camp equipment.
- Helped reach over 3000 kids across Southwestern Ontario.

PROJECTS

Personal Site | *TypeScript, Next.js, React, SCSS, Git, Affinity Designer*

August 2022

- Developed a full-stack blog application which hosts my educational blog.
- Interactive blog posts allows readers to learn in a unique and engaging way.
- Blog posts have gotten over 1,000 hits in total.

Hamburger Grammar | *TypeScript, React, HTML/CSS, Git, Affinity Designer*

March 2022

- Developed a front-end application which allows the user to build a burger using letters from "hamburger".
- Learned how to use TypeScript for static typing. Used React.js to create the reactive interface.
- The burger graphics were custom designed for the app. Clever CSS for the modal and burger layer stacking
- Made use of the browser's History API to create shareable links.

Shower Thoughts | *JavaScript, React, HTML/CSS, Git, Figma*

January 2022

- Developed a front-end application which displays random "shower thoughts" posts on Reddit.
- Used React.js for the front-end user interface.
- Interacted with the Reddit REST API to fetch random hot posts from the subreddit r/showerthoughts.
- Used Git for source control, and GitHub for hosting and deployment.

SKILLS

Programming Languages: JavaScript, HTML/CSS, Python, Java, C, Bash, L^AT_EX

Frameworks: React, Node.js

Developer Tools: Git, GitHub, Visual Studio Code, IntelliJ, UNIX/Linux, macOS, Vim, UML

Libraries: pandas, NumPy, Matplotlib, scikit-learn

Leadership Skills: Strategic Thinking, Interpersonal Communication, Creativity, Problem Solving

Graphic Design: Presentations, Screen Design, Social Media Posts, Affinity Suite, Adobe XD/Figma

Piano: Grade 10 Classical Piano (Conservatory Canada), Multiple Conservatory Canada Medals for Excellence