

Armaan Kara

Software Developer

✉ akara.swe@gmail.com

☎ 778-859-2828

🏠 armaankara.com

🐙 github.com/armaankara

Experience

Jr. Software Developer @ SimplyAsk / TELUS

January 2022 - Present // Burnaby, BC

- ▶ Currently working on a React Frontend team that is building an internal software system for TELUS Communications Inc.
 - Communicated directly with Senior Developer Analysts at TELUS on how to modernize the existing internal software application with current technologies
 - Developed standard React components on top of TELUS [Allium Design System](#) to be used throughout entire application
 - Assisted Senior Frontend Developers in the migration of the application's user interface from previous [TELUS Design System - TDS](#) to the new and improved [Allium Design System](#)
 - Ensured all functionality and web accessibility requirements were met, as well as, extensively worked with Git and Github to branch, stash and merge pull requests
- ▶ Prior to this I helped build reusable components and whole pages for the [SimplyAsk.ai](#) website with React and Tailwind CSS. The components and pages are still in use today.
 - Used Jira daily to track progress and update ticket status
 - Used Figma daily as part of our design system for the UI and UX of the website

Frontend Developer @ Resonance Consulting

August 2021 - November 2021 // Vancouver, BC

- ▶ Contracted as a Frontend Web Developer to design and build a [custom website](#) for Resonance Consulting
 - This multi-page website developed with HTML, CSS, and React creates a solid digital experience for potential clients, enabling Resonance to gain business
 - Hosting and backend was done through Netlify, with contact form submissions streamlined to directly appear in the company's email inbox.
 - Google site verification was done to help improve search engine optimization and site validity

Software Engineer @ UBC AgroBot (Navigation Systems Team)

April 2021 - April 2022 // Vancouver, BC

- ▶ Developed self-driving software for a rechargeable 4-wheeled robot to be able to automatically maneuver crop rows, exterminate weed, and deliver precise fertilization
 - Worked with the applied principles from computer vision (image de-noising, image filtering, Hough Line Transform) in Python and OpenCV to make the robot navigate through crop rows
 - Regularly collaborated with the other sub-teams to come up with solutions and share knowledge

Directed Studies Researcher @ UBC Institute for Resources, Environment, and Sustainability

September 2020 - December 2020 // Vancouver, BC

- ▶ Worked directly alongside two professors from the Institute for Resources, Environment, and Sustainability to develop a project aimed to promote individual climate actions.
 - Created a smart personalized carbon calculator to empower people in BC to take actions to reduce their carbon footprint
 - Gathered and analyzed data from over 50 individuals and helped educate 70% of them on their carbon intensive activities
 - Created an environmentally-aware survey through an expansive literature search, developed an excel dashboard for calculations, analyzed Canadian governmental policy data, wrote a paper, and presented my findings to a group of over 20 people

Extracurriculars

React Image Carousel Component

- ▶ Designed, built, and published a React Image Carousel to npm.
- ▶ Currently has over 100 downloads
- ▶ [@armaankara/react-image-carousel-component](#)

Technical Writer

- ▶ I write technical articles and tutorials on Medium about things I wish I knew when I was learning to code. Currently, my three articles all have over 250 views each
- ▶ Received a tremendous amount of positive feedback on my tutorial "How to Traverse your Terminal for Windows/MAC"

Portfolio Website

- ▶ Designed, built and deployed my current portfolio website using React, HTML, CSS and Netlify
- ▶ Has a Google web developers score of 98/100 for page speed
- ▶ Code has been optimized in various browsers and devices to ensure consistent cross-browser experience and responsiveness

Skills

Programming Languages

JavaScript, Python, HTML, CSS
(Tailwind)

Libraries & Frameworks

React, Node.js, Express, MongoDB

Tools & Platforms

Git, Github, Netlify, Heroku, MongoDB, VSCode, Jupyter Notebooks

Education

University of British Columbia (UBC)

2016 - 2021 // Vancouver, BC

Bachelor of Science in Chemistry, Earth and Environmental Science, & Life Sciences