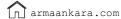
# **Armaan Kara**

# Software Developer

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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 <u>Allium Design System</u> to be used throughout entire application
  - Assisted Senior Frontend Developers in the migration of the application's user interface from previous <u>TELUS Design System – TDS</u> to the new and improved <u>Allium Design</u> 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 <a href="SimplyAsk.ai">SimplyAsk.ai</a> 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 <u>custom website</u> 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, Hugh 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 sharek 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-carouselcomponent

#### **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, Mongoose

#### **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