

# Achinth BHARADWAJ

SOFTWARE ENGINEERING · DATA SCIENCE

Vancouver, British Columbia, Canada

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## Experience

### Digital Solutions and Analytics Intern

Vancouver, BC, Canada

THE BOEING COMPANY

January 2020 - Present

- Build and debug a containerized testing framework using **Docker**, **Pytest** and **Selenium** for a data processing application in **Python**
- Redesign a factory operations web application using **Vue.js** and **Node.JS**
- Interface with development and quality assurance teams to define requirements and documentation.

### Software Developer

Vancouver, BC, Canada

UBC LAUNCH PAD

September 2019 - Present

- **Develop software projects** with 4 team members with real-life applications
- Currently working on development for a carbon footprint app using **Javascript** and **React Native** in an **agile** environment

## Projects

### TypeMeNot2

WOLFRAM AWARD @ NWHACKS 2020 (TOP 30 PROJECTS)

- Built a Google Chrome extension using **JavaScript** and **Node.JS**
- Utilized the **Perspective API** in order to determine toxicity of user input to solve automatic moderation

### Footprint

UBC LAUNCH PAD

- Developed a web app which guides users to gain insight on their ecological footprint
- Implemented data visualization and analytics pages for the application using **React Native** and **Expo**

### Predicting cervical cancer from lifestyle choices in females

DATA SCIENCE

- Analyzed a UCI Machine Learning **cervical cancer dataset** using **R**
- Tuned a **k-nearest neighbours** algorithm to create an **ML model** to predict cervical cancer prevalence

### Desktop Task Manager

JAVA PROJECT

- Constructed a personal **Java** task manager app with basic tags, deadlines and priority levels
- Parsed system input into **JSON** for data persistence and built a GUI with **FXML**

## Skills

**Languages** Java, C++, Python, R, JavaScript

**Frameworks** Tidyverse, Node.JS, React, Vue, Unix/Linux, Selenium, Docker, JIRA, Git

## Education

### University of British Columbia

Vancouver, BC, Canada

B.SC. IN COMPUTER SCIENCE AND STATISTICS

September 2018 - Present

- **Targeted coursework:** Object-oriented Construction, Introduction to Data Science, Data Structures and Algorithms, Models of Computation
- **Associations:** UBC Launch Pad, UBC ultimate frisbee intramural champions, UBC Science Co-op student

## Extracurricular Activities

### Youth Volunteer

Burnaby, BC, Canada

BURNABY NEIGHBOURHOOD HOUSE

January 2015 - September 2018

- Volunteered 40 hours a month with the Burnaby Neighbourhood house as a youth volunteer in **child empowerment programs**
- Won the **2018 Youth Good Neighbours Award** - certified the Association of Neighbourhood Houses of British Columbia for services to the local communities