

# Achinth Bharadwaj

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## EDUCATION

### University of British Columbia

B.S. Combined Major in Computer Science and Statistics

September 2018 – present | Vancouver, Canada

- 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 candidate

## PROJECTS

### Footprint

September 2019 – March 2020

- Developed a Javascript app that guides users to better understand how their diet impacts their ecological footprint
- Implemented data visualization and analytics pages for the application using React Native and Expo

### TypeMeNot2

January 2020

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

### Desktop Task Manager

March 2019 – April 2019

- 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

### Predicting cervical cancer in female patients from lifestyle choices

December 2019

- 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

## ORGANISATIONS

### Burnaby Neighbourhood House

Youth Volunteer

December 2014 – September 2018 | Burnaby, Canada

- Volunteered 40 hours a month with the Burnaby Neighbourhood house as a youth volunteer in child empowerment programs

## PROGRAMMING SKILLS

JavaScript

Python

Java

HTML & CSS

R

Node.js

Git

Web Development

Machine Learning

React & React Native

Vue

Unix

Selenium

Tidiverse

## EXPERIENCE

### The Boeing Company

Software Engineering Intern

January 2020 – present | Vancouver, Canada

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- Redesign and scale an outdated airplane factory operations web application for engineers using Vue.js and Node.JS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

### UBC Launch Pad

Software Developer

September 2019 – present | Vancouver, Canada

- UBC's resident software engineering design team
- Develop software projects with 4 team members with real-life applications
- Worked on development for a carbon footprint app using Javascript and React Native in an agile environment

## AWARDS

### Wolfram Award

nwHacks 2020

January 2020

- Top 15 programming projects at UBC's largest hackathon with over 300 participants

### Youth Good Neighbour Award

Association of Neighbourhood Houses of British Columbia

May 2018

- Awarded with the Burnaby Neighbourhood House for creating a youth leadership and empowerment program for elementary school students