

# Achinth BHARADWAJ

SOFTWARE ENGINEERING · DATA SCIENCE

Vancouver, British Columbia, Canada

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## Experience

### The Boeing Company

Vancouver, BC, Canada

SOFTWARE INTERN

January 2020 - Present

- Currently working for the **Digital Solutions and Analytics** team at Boeing Vancouver
- Currently building a **containerized testing framework** using **Docker** and **Selenium** for a data pre-processing application in **Python**
- Currently redesigning a factory operations web application using **Vue.js** and **Node.JS**

### UBC Launch Pad

Vancouver, BC, Canada

SOFTWARE DEVELOPER

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 Google API** in order to determine toxicity of user input to solve automatic moderation

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

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**

### Desktop Chess

OBJECT ORIENTED PROGRAMMING PoC

- Constructed as proof of concept for **data structures** and **object-oriented design** in Java
- Enabled with **complex chess moves** including castling and en passant

## Skills

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

**Technologies** Tensorflow, Node.JS, React, Vue, Selenium, Docker, JIRA, Git

## Education

### University of British Columbia

Vancouver, BC, Canada

B.SC. IN COMPUTER SCIENCE AND STATISTICS

September 2018 - April 2023 (Expected)

- 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

### Softboarders

Vancouver, BC, Canada

CREATOR

November 2019 - PRESENT

- Create **YouTube videos** about software engineering concepts, questions and algorithms in order to give back and help those who need it

### Burnaby Neighbourhood House

Burnaby, BC, Canada

YOUTH VOLUNTEER

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