# Achinth Bharadwaj

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## EDUCATION

**University of British Columbia** 🔗              Sep 2018 – Apr 2023
*B.S. Combined Major in Computer Science and Statistics*     Vancouver, Canada
- Relevant Coursework: Object-oriented construction, Introduction to Data Science, Data Structures and Algorithms, Models of Computation
- Associations: UBC Launch Pad, UBC ultimate intramural champs, UBC Science Co-op

## EXPERIENCE

**The Boeing Company**           Jan 2020 – present | Vancouver, Canada
*Software Engineering Intern*
- Redesign an outdated factory operations web app for engineers with Vue, Java and Node.JS
- Automate a testing framework using Selenium and Pytest in Python for a containerized data app
- Interface with development and quality teams to define requirements and documentation

**UBC Launch Pad** 🔗          Sep 2019 – present | Vancouver, Canada
*Software Developer*
- UBC's resident software engineering design team
- Develop software projects with 4 team members with real-life applications
- Built a carbon footprint app using Javascript and React Native in an agile environment

## PROJECTS

**Footprint**           Sep 2019 – Mar 2020
- Developed a JavaScript app that guides users of their diet's impacts on their ecological footprint
- Implemented data visualization and analytics pages using React Native and Expo

**TypeMeNot2**           Jan 2020
- Utilized Google's Perspective API in order to determine input text toxicity for automatic moderation
- Built a Google Chrome extension using JavaScript and Node.JS

**Predicting cervical cancer in patients from lifestyle choices**           Dec 2019
- Analyzed a UCI Machine Learning cervical cancer dataset using R and tidy verse
- Tuned a k-nearest neighbours machine learning model to predict prevalence with 86% accuracy

**Desktop Task Manager**           Mar 2019 – Apr 2019
- Constructed a personal Java task manager with tags, deadlines and priority levels
- Parsed system input into JSON for data persistence and built a GUI with FXML

## SKILLS

| Languages | Frameworks | Technologies |
|---|---|---|
| *Python* | *Vue* | *Git* |
| *Java* | *React Native* | *Node.js* |
| *JavaScript/HTML/CSS* | *React* | *Unix* |
| *R* | *OpenCV* | *JIRA* |
| *C++* | *Tidyverse* | *Docker* |

## AWARDS

**Wolfram Award**           Jan 2020
*nwHacks 2020*
- Top 15 programming projects at UBC's largest hackathon with over 300 participants