

# ACHINTH BHARADWAJ

Computer Science & Statistics  
Student

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Achinth Bharadwaj

## TECHNICAL STRENGTHS

- **Proficient:** Java (3 years), Python
- **Familiar:** R, tidyverse, matplotlib, caret, git
- **Beginner:** JavaScript, C++, HTML/CSS, tensorflow
- **Technologies:** React Native, Node.js

## WORK EXPERIENCE

- Software Intern at Boeing** Jan 2020 - Present
- Currently working for the **Digital Solutions and Analytics Team** at Boeing Vancouver
  - Conduct **defect analysis audits** in an **agile** product development setting
- Software Developer at UBC Launch Pad** Sep 2019 - Present
- **Develop** software projects with **4 team members** with real-life applications
  - Currently working on front-end data display for a **carbon footprint statistics app** using **React Native** and **Javascript**

## PROJECTS

- Jan 2020 - Present
- TypeMeNot2**  
Built a quick Google Chrome extension using **JavaScript** and **Node.js**  
Utilized the **Perspective Google API** in order to determine toxicity of user input  
Built as a quick solution to moderation where toxic input generate cautions for users
- Nov - Dec 2019
- Predicting cervical cancer risk from lifestyle choices in female patients**  
Analyzed a UCI Machine Learning **cervical cancer dataset** using **R**  
Tuned a **k-nearest neighbours** algorithm to create an **ML model** to predict the prevalence of cervical cancer
- Feb - Mar 2019
- Desktop Task Manager**  
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**
- May - Jun 2018  
personal
- Desktop Chess**  
Constructed as proof of concept for **data structures** and **object-oriented design** in **Java**  
Enabled with complex chess moves including **castling** and **en passant**

## EDUCATION

- 2018 - current
- Bachelor of Science in Computer Science and Statistics** **The University of British Columbia**  
Expected Graduation: June 2023  
Targeted coursework: Object-oriented Construction, Introduction to Data Science, Data Structures and Algorithms, Models of Computation

## AWARDS

- Wolfram Award @ nwHacks 2020**  
- within top 25 percent of submissions with **TypeMeNot2**
- 2018 Youth Good Neighbours Award** - certified the Association of Neighbourhood Houses of British Columbia

## HOBBIES

I started my high school varsity nearly three years ago along and fostered a program that now spans over a hundred students, winning multiple city championships in 2018 and 2019. I'm also a two-time intramural champion at UBC!

## COMMUNITY INVOLVEMENT

- Volunteering** - I help the Burnaby Neighbourhood house as a youth volunteer with child empowerment programs!
- Softboarders** - I make YouTube videos about algorithms and data structures in order to return to the community and help those in need of it.