ACHINTH BHARADWAJ

Software engineering • Data Science

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EXPERIENCE

Digital Solutions and Analytics Intern

The Boeing Company

January 2020 – Present Vancouver, Canada

- Build and debug a **containerized testing framework** using **Docker** and **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- Redesign and scale an outdated airplane factory operations web application for engineers using **Vue.js** and **Node.JS**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

Software Developer

UBC Launch Pad

September 2019 – Present Vancouver, Canada

- UBC's resident **software engineering design team**
- **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

EDUCATION

B.Sc. in Computer Science and Statistics

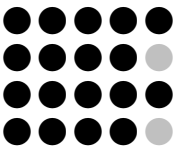
University of British Columbia

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

SKILLS

Java, Python, Javascript
C++, R
React, Vue, Node.JS, JIRA, Git
Unix/Linux, Selenium, Docker,



EXTRACURRICULARS

Youth Volunteer

Burnaby Neighbourhood House

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

PROJECTS

Footprint

- 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

- 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 in female patients from lifestyle choices

- 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

- 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 Application

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

HONORS & AWARDS

- **Wolfram Award** @ nwHacks 2020: top 30% of projects at UBC's largest hackathon
- **Youth Good Neighbour Award**: awarded by the Association of Neighbourhood Houses of British Columbia with the **Burnaby Neighbourhood House**