Achinth BHARADWAJ

SOFTWARE ENGINEERING · DATA SCIENCE

Vancouver, British Columbia, Canada

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Experience

Digital Solutions and Analytics Intern
THE BOEING COMPANY
Vancouver, BC, Canada
January 2020 - Present
- Build and debug a containerized testing framework using **Docker, Pytest** and **Selenium** for a data processing application in **Python**
- Redesign a factory operations web application using **Vue.js** and **Node.JS**
- Interface with development and quality assurance teams to define requirements and documentation

Software Developer
UBC LAUNCH PAD
Vancouver, BC, Canada
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 API** in order to determine toxicity of user input to solve automatic moderation

Footprint
UBC LAUNCH PAD
- Developed a web app which guides users to gain insight on their ecological footprint
- Implemented data visualization and analytics pages for the application using **React Native** and **Expo**

Predicting cervical cancer from lifestyle choices in females
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**

Skills

Languages	Java, C++, Python, R, JavaScript
Frameworks	Tidyverse, Node.JS, React, Vue, Unix/Linux, Selenium, Docker, JIRA, Git

Education

University of British Columbia
B.Sc. IN COMPUTER SCIENCE AND STATISTICS
Vancouver, BC, Canada
September 2018 - Present
- **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

Youth Volunteer
BURNABY NEIGHBOURHOOD HOUSE
Burnaby, BC, Canada
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