Akshay Pall

University of Waterloo **Software Engineering** Candidate 2021

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Skills

Languages: Experienced with Java (Android), C; Familiar with C++, Javascript, Bash, Octave
Libraries/APIs: Firebase, Google Play Services, Facebook, Parse, NumPy, Pandas
Tools: Git, SVN, Vim, Android Studio, IntelliJ, WebStorm, Sketch, Sublime Text

Experience

Mindbend Studio · Co-Lead Android Developer · July 2015 - December 2015
· Built **Android** app for infor[me], a platform to organize announcements from organizations (**mindbend.io**)
· Deployed beta release to over **1000 users** and developed additional features based on feedback
· Wrote server-side functions in **Javascript** using **Parse** to allow for instantaneous code deployment
· Used **git** for version control and collaborative work
· Drafted mockups in **Sketch** to create unified **UI/UX** for both OSes
· Conducted regular meetings with key stakeholders to ensure satisfaction

Projects

BitDate · Android Tinder Clone
· Constructed real-time matching and chat between users using **Firebase, Parse,** and **Facebook** APIs

Hack Your Health · Nutritional Info Android App
· Utilized barcode scanning to retrieve nutritional facts on various foods using **Nutritionix** API

Discoveo · Geographical Exploration Android App
· Pulled lat/long using **Google Play** services to store in **Parse** database

SE Sound Sequencer · Mini-Digital Audio Workstation
· Developed real-time audio manipulation software in **C** on the **Arduino**-based Tiva Launchpad
· Mapped I/O of switches, buttons, potentiometers, and displays to track editing functions

Practice Problems · Hackerrank
· Published a GitHub repo of some CS problems I have solved on **Hackerrank.com**

Relevant Coursework

Python for Data Analysis · Udemy
· Data science using **Pandas** and **NumPy** libraries for **Python**

Machine Learning · Stanford University
· Intro to **Machine Learning** for software development using **Octave**

Awards and Scholarships

Schulich Leader Scholarship · $80 000 · University of Toronto
President's Scholarship of Distinction · $2 000 · University of Waterloo
1A Term Dean's Honours List · University of Waterloo