






Akshay Pall

University of Waterloo **Software Engineering** Candidate 2021

-  akshaypall.me
-  akshaypall
-  linkedin.com/in/akshaypall
-  akshay.pall@uwaterloo.ca
-  (647)-961-8297

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

Speakr • Real-Time Speech Analysis App

- Parsed audio in real-time using the **Azure Cognitive Services** API
- Conducted and stored **numerical analysis** of speech to allow for future reference and self-improvement
- **Visualized** data in graph format to see variation over time

Discoveo • Geographical Exploration Android App

- Pulled lat/long using **Google Play** services to store in **Parse** database

BitDate • Android Tinder Clone

- Constructed real-time matching and chat between users using **Firebase**, **Parse**, and **Facebook** APIs

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

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