

# Pranav Jain

1B Computer Engineering | (226)-899-2999 | pranav.jain@uwaterloo.ca

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## Skills

- **Languages:** Java, Python, Javascript, C++, SQL, HTML/CSS
- **Technologies:** Android, Angular2, Flask, Pandas, MongoDB, Ionic, Bootstrap
- **Software:** Android Studio, Pycharm, Eclipse, Git, Linux

## Experience

### PROVIDIUS Software Engineering Intern

Angular 2, Flask, Pandas | Jan-April'17

- Full Stack Development of **5+ new features** for their Software using **Angular** Framework, Python Flask, MongoDB
- Reduced database size up to **80%** by Big Data compression
- Independently developed a Flask Web application replacing a paid Internet test tool used by the company
- Integrated a dedicated mobile version of their **Hybrid App** based on screen resolutions using **Ionic**
- **Optimized** runtime by removing the Bottlenecks; debugged and solved 20+ bugs.
- Learned the latest trends in technology, getting hands on experience working with **Linux**

## Projects

### WEATHER APP Java, SQLite, Android SDK

Android App | April'17

- A cloud-connected Android app which displays the week's weather forecast.
- Applied **best practices** of Android development- multithreading, application lifecycle, content providers, recycler views

### GRADSCHOOL-ANALYSER Python Pandas

Desktop Application | Feb'17

- Solves a major student issue, scrapping big data from Top 100 ranked graduation schools, to compare on basis of their Tuition, Living Costs, Rankings and Acceptance rates.
- Achieved **accuracy** by handling missing data using Pandas for Data Analysis and Matplotlib for Data Visualization

### BOUNCY Java

Desktop Game | Jan-Feb '17

- A Java Game where the player scores by maintaining the ball stay on the bricks
- Exposure to **collision detection**, implementing theoretical physics to handle gravity, energy loss and friction of the ball
- Added sound effects with a polished UI; unlimited difficulty levels as the score increases

### MESSENGER Java

Desktop Application | June-Aug'16

- Exchanges messages on the same computer by retrieving data from ports assigned on the machine
- Implemented using GUI libraries, server sockets, streams in an Object Oriented Design.

### OTHERS C++, Python, Hackathons

- LeetcodeScrapper- a Python script that automatically appends descriptions of all **Leetcode** questions solved in user's local
- **Billing System**- C++ file handling project that allows admins and customers to search and modify records separately
- SyncUp - a social network for Musicians developed at **StarterHacks** ( Frontend )
- Scorebored- Android App made at **PennApps** where 2 users can judge a 3<sup>rd</sup> person by tapping, at silent events

## Education

### UNIVERSITY OF WATERLOO Candidate for BAsC. Computer Engineering

Expected April 2021

- Hacked at PennApps'16 Hackathon, StarterHacks; Learned VR technologies at WearHacks
- Recipient of **UW President's Scholarship** of Distinction for entrance avg. above **90%**