PRANAV JAIN

PRANAVJAIN.CA

github/pranavjain97

226-899-2999

pranav.jain@uwaterloo.ca

SKILLS

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

EXPERIENCE

Providius Corp. Software Engineer Intern
Jan-April '17

- Full Stack Development of **10+** new features using **Angular** Framework, Python Flask, MongoDB
- Reduced database size up to **80%** by Big Data Compression
- Contributed in building backend **API's** for 4 switches in Python for compatibility with Dashboard
- **Optimized** performance by removing the Bottlenecks; debugged and fixed 40+ bugs, revamped the UI
- Independently developed a **Flask** Web application replacing a paid **video** test tool used by the company
- Integrated a dedicated mobile version of the Hybrid App based on screen resolutions using **Ionic**
- Constantly challenged status quo by **self-teaching** latest software tools in a startup environment

Hackathons PennApps, StarterHacks, Wearhacks
Sept'16-Present

- SyncUp - Social network for Musicians using JQuery, HTML integrating Google & Youtube API's
- Scorebored- Android App made at PennApps where 2 users can judge a 3rd person by tapping

PROJECTS

WeatherForMe Android, Java, SQLite
April '17

- Cloud-connected Android app that displays the week's weather forecast- **MVP** design pattern
- Applied **best practices** taught by Google experts at Udacity- AsyncLoader, SQLite, Content provider

Gradschool Python Pandas
Feb '17

- Analyzing big data from Top 100 ranked grad schools to compare on basis of Tuition, Living Costs,Prestige
- Achieved **accuracy** by handling missing data using Pandas and Matplotlib for Data Analysis

Bouncy Java Game
Jan-Feb '17

- A Java Game where the player scores by maintaining the ball stay on the bricks
- Implementing **collision detection**, 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-Pro Java
June-Aug '16

- Exchanges messages on the same computer by retrieving data from ports assigned on the machine
- Implemented using GUI libraries, **networking** concepts like server sockets, streams, servlets

Others Python, C++

- LeetcodeScrapper- a Python script that automatically appends descriptions of all **Leetcode** solutions
- **Billing System**- C++ file handling project allowing admins and customers to search and modify record

EDUCATION

University of Waterloo BASc. Computer Engineering
Expected May '21

- Recipient of **UW President's Scholarship** of Distinction for entrance avg. above **90%**
- Assignment-Android App that processes data received from **embedded** accelerometer/rotational sensors
- Final project- Working on replicating the popular mobile game **2048** using OOD Java design techniques