

Xyan Bhatnagar

Software Developer | Computer Science Student

xbhatnag.github.io
 linkedin.com/in/xyanbhatnagar
 xbhatnag@uwaterloo.ca
 226-606-3357

Languages

Java, C++, C, HTML, CSS, VBA,
 Racket, SQL, Bash Scripting

Frameworks/Libraries

OkHTTP, Leanplum, Robolectric, Picasso,
 Facebook SDK, Play Services, Stetho,
 ButterKnife, Ad SDKs, Crashlytics, AWS

Concepts

Mobile UI/UX, REST APIs,
 OOP, Encryption, JSON,
 Networking, Databases

WORK EXPERIENCE

TextNow

Android Developer - Growth

<https://goo.gl/aLFha6>

Summer 2016

Waterloo, Ontario

- Created an in-app subscription system from scratch, used by 85% of premium users
- Migrated from Apache to OkHTTP, increasing robustness of all API requests
- Reduced TextNow's battery consumption on Android devices by 12% per day
- Eliminated several crashes, reducing affected users by 10% in August 2016
- Implemented email and username autofill, speeding up the signup process for 830k users
- Redesigned old user experiences with new Material Design principles
- Increased free app revenue by adding new advertisers like NativeX and MediaBrix
- Implemented real-time A/B testing using Leanplum, improving user engagement

BABBLERS Play School

Software Developer

www.babblers.in

2012 – 2015

Delhi, India

July 2015

April 2012

- **Daycare Timekeeping**
 - Created cost-effective digital timekeeping solution to note the in time and out time for ~50 children
 - Created a Microsoft Access database to read timecard data and calculate monthly fees
- **Student Database**
 - Created a Microsoft Access database for student data
 - Solved problem of manual data collection and fee calculation of ~100 students per year
 - Reads complex fee structures and produces gross totals, due installments and tax certificates

TECHNICAL EXPERIENCE

Tenebris

<https://goo.gl/VbpQVF>

In Development

- Created an Android game of Hide and Seek which can detect player presence via Bluetooth
- Uses NFC, Bluetooth and the Nearby API to interact between players and the environment

Personal Website

<http://xbhatnag.github.io>

December 2015

- Created a personal website to link to my resume, GitHub and LinkedIn
- Used Materialize CSS and JavaScript for a clean, mobile-friendly website

WatBalance

<https://goo.gl/d6DaVv>

December 2015

- Created an Android app that checks the balance of University of Waterloo's Debit Card
- Implemented Volley for network requests, HelloCharts for line charts and Joda Time
- Used by 430 students to create daily limits, graph monthly usage, record transactions and more

W8A

<https://goo.gl/2Oalv5>

November 2014

- Developed a proof-of-concept using the Android app "DriveDroid"
- Allows users to carry a portable fully functional Windows installation on their phone

EDUCATION AND MORE

Candidate for Bachelor of Computer Science – University of Waterloo, Class of 2020

Hack The North 2016 Participant, Student Blogger, Swimmer, University Scholarship Recipient