XYAN BHATNAGAR
Software Developer

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EMPLOYMENT

BABBLERS Play School　　　　**www.babblers.in**　　　　**(2012-Present)**

1. Student Database　　　　　　　　　　　　　　　　　　　　April 2012
   - Created Microsoft Access database for student data.
   - Solved problem of manual data collection and calculation of ~100 students per year.
   - Designed program to accurately calculates fees based on complex fee structures and produce gross totals, due installments, transport routes and tax certificates from collected data.
2. Daycare　　　　　　　　　　　　　　　　　　　　　　　July 2015
   - Created cost-effective digital time-keeping technique to note "In Time" and "Out Time" for ~50 children.
   - Created Microsoft Access Database to read timecard data and calculate monthly charges accordingly.
   - Replaced a manual system which had many problems in accuracy.
3. Graphical Content　　　　　　　　　　　　　　　　　　　Repeatedly
   - Final product had higher quality with complete control over content at cheaper price.
   - Designed books, posters and class photos for students with CorelDRAW and Adobe Creative Suite
   - Implemented photo watermarking techniques for brand promotion

Canine Elite　　　　　　**www.canineelite.com**　　　　**(July 2015-August 2015)**

- Created standees, pamphlets and leaflets for major promotional events.
- Redesigned business cards for employees at Canine Elite.

AN Buying Services　　　　　　　　　　　　　　　　**(July 2013-July 2014)**

- Provided network and technical assistance for multiple offices AN Buying's small-scale business of exports

TECHNICAL EXPERIENCE

Projects

- **WatCrowd**　　　　**https://goo.gl/FpIUjn**　　　　**Current**
  Created an Android app that provides information about the crowd at any building on University of Waterloo Campus using Wi-Fi Device Information from their network.
- **WatBalance**　　　　**https://goo.gl/d6DaVv**　　　　**December 2015**
  Created Android app that checks balance of University of Waterloo's Debit Card (WatCard). Creates daily limits, graphs monthly usage, creates charts, records transactions and more. Available on Play Store and GitHub.
- **W8A**　　　　**https://goo.gl/2OaIv5**　　　　**November 2014**
  Developed a proof-of-concept for the Android app "DriveDroid". This technique allowed users to carry a complete Windows installation on their phone and turn any PC into their own PC.
- **Magic Mouse**　　　　**https://goo.gl/jFBFTz**　　　　**Current (Group Project)**
  Connect an Android phone to a Windows PC and move it on a surface like a regular mouse. Available on GitHub.

Languages	Concepts	Frameworks/Libraries
C++, C, Java, Racket, SQL, HTML/CSS Shell Scripting and VBA	OOP, Encryption, Networking, Basic UI Design, Databases	HelloCharts, Jsoup, Volley, JodaTime, Android Support Libraries

MISCELLANEOUS

Volunteer Work

- **Hack the North (October 2015) -** Conducted floor patrols, resolved grievances, assisted developers and set up Company Rooms.
- **Student Blogger for University (September 2015 – Present)**

Scholarships : University of Waterloo President's Scholarship ($2000) on admission