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Yuwei Xu

TECHNICAL SKILLS

Expertise
- Java/Android Development
- Python/Pygame
- Ruby/Rails
- Racket/Scheme
- HTML/CSS/SASS
- Javascript
- SQL Databases

Tools
- Command Line
- Git/Github
- Android Studio
- JCreator
- Illustrator/Photoshop

EDUCATION

University of Waterloo
Bachelor of Computer Science
GPA 92.6% | Waterloo, ON

Vincent Massey Secondary
Distinguished Honor Roll
92% Final Average | Windsor, ON

LINKS

github.com/xuyuwei
linkedin.com/in/yuweixu

ACTIVITIES

- UW App Dev Club
- UW CS Club
- UW Finance Association
- UW Actuarial Science
- Campus Residence Council

INTERESTS

- Hackathons
- Mathematics
- Trading
- Design
- Fashion
- Badminton
- Poker

PROJECTS

Sonata | Android | Nov 2014 - Present
- Music app for creating playlists using audio from YouTube videos
- Implemented multi-threading to handle playback and animation
- Integrated Android 5.0 design guidelines to build an elegant UI/UX
- Winning hack at a Velocity sponsored hackathon

FitTrip | iOS | Rails | MHacks V |
- Day trip itinerary generator for those who love travelling/backpacking
- Worked primarily on back end to make Google and Wolfram API calls
- Devised an algorithm to generate possible day trips based on user
  input, hours of operation and weather conditions

FX News | Android | Rails | Aug 2014 - Present |
- Minimalistic App that displays the current week's forex economic events
- Wrote REST API to create custom queries and increase loading speed
- Used Mechanize gem to scrape data from news website
- Implemented HTTP Requests, SQLite, AsyncTask

Swarm | Java Game | April 2013 |
- Used OOP principles to develop a fun multi-level shooter game
- Created under fixed deadlines using Java Swing and Java AWT

Tetris Battle | Python Game | May - June 2012 |
- Recreated the popular Facebook game with similar design and play
- Built a two-player mode for simultaneous play on single computer

EXPERIENCE

Representative | Residence Council | Sept - Dec 2014
- Planned and organized monthly residence-wide student events
- Interacted with students and distributed posters to increase attendance

Server | Jade Chinese Cuisine| Nov 2012 - Jan 2014
- Worked in a team to provide pleasant dining experience for customers

ACHIEVEMENTS

USAMO Participant | April 2013
- One of 270 from 70000 students to write the USA Mathematics Olympiad
- Chosen due to performance on the AMC/AIME math competitions

USACO Silver Division | Jan 2014
- Top 10% score on Jan 2014 on Bronze level USA Computing Olympiad

René Descartes Scholarship | May 2014
- One of 15 recipients of a UWaterloo National Math Scholarship
- Awarded due to performance on Math and Computing Competitions