Kevin Zhou

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Skills

- Experienced with Java, C, C++, HTML, CSS
- Familiar with Javascript, SQLite
- Tools and Frameworks: Android SDK, Git, IntelliJ, Eclipse, Jekyll, LaTeX

Work Experience

TD Lab   *May 2015–August 2015*

Android Developer

- Built a family-oriented money management app using agile methodologies
- Developed and implemented various features including PIN protection, chores, and achievements
- Improved performance of a custom graphing library by decreasing frame render time by 37%
- Managed data syncing using a JSON API and Google Cloud Messaging (GCM)
- App published on Google Play: TD Family Allowance

Projects

Weather Post   *2012–Present*

- Android weather app with 800 monthly active users and 4.3 star rating based on 85 reviews
- Implemented parsing of XML data files retrieved from public API with focus on speed and efficiency
- Developed caching feature using SQLite databases to allow storing and offline retrieval of data
- Tested app thoroughly across 5 Android versions and 4 device resolutions

Discover (Hack the North 2015)   *2015*

- Created an app that promotes charity donations through raising awareness on global issues
- Implemented an API to load satellite image tiles into an interactive map
- Winner of Urthecast Platform API prize and recipient of UTSC Dragons' Den funding

WatIsFood (Hack the North 2014)   *2014*

- Created an app to find open restaurants on campus using Waterloo's Open Data API
- Mainly worked on map interface, including map and restaurant marker drawing

Graphing Calculator   *2014*

- Written in Java using Swing with the model–view–controller architectural pattern
- Developed an expression evaluator to calculate graph points

Java Maze Game   *2013*

- Developed maze generation using recursive backtracking algorithm
- Implemented a score keeping system

Scholarships & Awards

- President's Scholarship, University of Waterloo   *2014*
- Achievement, Success and Excellence Award in Computer Studies, Rick Hansen S S   *2013*
- Top 25% Distinction on Junior Canadian Computing Competition, University of Waterloo   *2012*

Education

Candidate for Bachelor of Computer Science

University of Waterloo   *2014–2019 (expected)*