

Andrew Gapic

2A Software Engineering

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github.com/agapic

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Languages: Javascript, SQL, Python, Java, C/C++, HTML, CSS

Technologies: Linux, Git, PostgreSQL, MongoDB, Angular.js, Node.js, Bootstrap, Grunt, Mocha.js

Interests: Cyber Security, Data Science, Varsity Track and Field, Powerlifting

Experience

- **Canadian Blood Services** Ottawa, ON
Software Developer *May 2015 - Sept. 2015*
 - Developed and designed a Grails web application from scratch; migrated Lotus Notes data to Oracle and set up a relational database as the backend.
 - Created user cases and continuously prototyped applications using the agile development methodology.
 - Implemented the Google Maps API on several applications and solved a critical SSL certification issue.
- **Tech Retreat** Waterloo, ON
Organizer *April 2015 - Present*
 - Organized and planned a summer hackathon and learnathon for over 150 high school students.
 - Coordinated event logistics and facilitated team work and discussion between participants.
 - Created "capture the flags" to demonstrate the importance of security in web applications. Code available on Github.
- **State Street** Toronto, ON
Pricing Specialist *Sept. 2013 - Sept. 2014*
 - Designed several applications using VBA, increasing productivity by over 50%.
 - Performed due diligence on potentially incorrectly priced securities using the Bloomberg and Reuters pricing terminals.

Side Projects

- **Abracadabra**
<http://abra.andrewgapic.com> *Aug. 2015 - Sept. 2015*
 - Developed a RESTful web application in javascript using Node.js, PostgreSQL, and Angular.js to display win rate differences based on gameplay changes for over 4,000,000 matches.
 - Designed the frontend using HTML, CSS, and Angular.js, incorporating basic principles of materialistic design using flat icons and appropriate colour schemes.
 - Consumed RESTful endpoints to obtain aggregated data and created python scripts to clean the data.
 - Code available at <https://www.github.com/agapic/abracadabra>
- **The North Bank**
<https://github.com/agapic/HTN-2015-ARG> *May 2015 - Aug. 2015*
 - The North Bank is a CTF created for Hack the North with a team of four people.
 - Implemented a tree of six servers as nodes which held a public key (or flags). Key concepts involved include integer overflow, TCP/IP, the Shellshock exploit, hash functions, and race conditions.

Education

- **University of Waterloo** Waterloo, ON
Candidate for Bachelor of Software Engineering *Sept. 2014 - Present*