Eliav Yehuda

Software Engineering • University of Waterloo
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Skills

- Java, C++, C, C#, Python, SQL, HTML, CSS, JavaScript, MATLAB
- Experience with Spring MVC, AngularJS, ASP.NET MVC, REST, AJAX, Hibernate, Mokito, Bootstrap, GIT, SVN, Tomcat
- Strong initiative and passion for learning, confident in leadership roles, attentive listener with a strategic vision

Professional Experience

Autodesk – Software Developer   **Toronto, Jan. 2016 – April. 2016**

- Fixed high severity security vulnerabilities detected by security scans, clearing 100% (27) of venerability detections.
- Optimized search query and improved return speed from a few minutes to several hundred milliseconds.
- Investigated and fixed two major causes of crashes, leading to a 20% reduction in customer crashes.
- Successfully researched and integrated a tool to design, prototype and document APIs

UXP Systems – Software Developer   **Toronto, Apr. 2015 – Aug. 2015**

- Optimized OSS/BSS infrastructure feature to improve connection speed by 35%.
- Enhanced and extended the user interface for a cloud based connected home system.
- Improved code quality and increased code coverage by 60% by optimizing code, writing unit/integration tests, identifying bugs and conducting code fixes.

Edisoft – Software Developer   **Toronto, Apr. 2014 – Aug. 2014**

- Designed and developed the frontend and backend to the order, shipment and invoice pages.
- Optimized subroutines to improve performance of application and database interactions.
- Handled company databases on SQL Server and used database SQL query to push and pull trade data.

Genesys – Mobile Developer   **Toronto, Aug. 2013 – Dec. 2013**

- Improved code quality of android applications for multiple mobile application projects.
- Developed applications for Google Glass using the Glass Development Kit (GDK)
- Researched ways to create acceptance test using selenium and debugging node software more effectively.

Ontario Ministry of Finance – Database Programmer   **Toronto, Jan. 2013 – May. 2013**

- Developed advanced programs that automate the creation of financial graphs, tables and reports as source data gets updated in the database.
- Optimized and tested software programs and software development procedures.

NexJ Systems – Client Quality Assurance Analyst   **Toronto, Apr. 2012 – Aug. 2012**

- Executed QA testing (functional, Regression, Performance, Integrated, Exploratory) in various client environments.

Projects

Real-Time Executive, Operating Systems

- Co-designed and developed a real time Operating System written in C.

MIPS Compiler, Compiler Development

- Created a compiler for a programming language that is a subset of C.

Cards Game, User Interface

- Developed a C++ program with a user interface that will run a cards game on X11 windowing system. Using software design patterns for multiple features to ease user interface.

Android Game, Android Development

- Designed and developed a game resembling Fruit Ninja android app using Java Swing and ported it to Android.

Professional Website, Web Development

- Developed a personal website which features bio, social media profiles and portfolio using Jekyll, Bootstrap, SASS and JavaScript.

LEGO Robot, Software Abstraction

- Designed and built a program to allow a Lego RCX robot navigate through a maze autonomously using its sensors.

Education

Candidate for Bachelor of Software Engineering 4A   **Waterloo Sept. 2011 – Present**