RASUL RASULZADE

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SKILLS

Technical Skills:

- C/C++, Java SE, Python, JavaScript, HTML, CSS, Scheme
- MATLAB, jQuery, JSON, C#, Bash scripting, MySQL, Verilog
- Network Protocols: TCP/IP, Ethernet, OSPF, BGP
- Operating Systems: Linux, Mac OS, Windows, Ubuntu,
- Experienced with version-control systems including Git and SVN

Professional Skills:

- Self-motivated, creative and analytical thinker, diligent
- Excellent communication skills, able to adapt and react positively to changes in a dynamic environment
- Excellent time management skills and able to meet deadline
- Fluent in Azerbaijani (native), Turkish; intermediate in Russian and beginner in French

WORK EXPERIENCE

Software Developer Intern (June 2014 – August 2014)

Data Processing Center, Electron Government
Ministry of Communications and High Technologies of the Republic of Azerbaijan

- Tracked down and fixed existing UI and security bugs
- Implemented new features for www.e-gov.az (C#, JavaScript, JSON, jQuery, HTML, CSS)

EDUCATION

University of Waterloo

BCS – Bachelor of Computer Science, Honours Mathematics
September 2012 – April 2016

Relevant Courses:

- Object-Oriented Software Development (C++)
- Foundations of Sequential Programs (DFA, NFA, WLP4 Compiler, C++)
- Computer Organization and Design (MIPS Assembly)
- Computer Architecture (Verilog)
- Algorithms & Data Structures and Data Management
- Statistics & Probability
- User Interfaces (JavaScript, HTML, CSS, Python)
- Operating Systems (OS161)
- Database Management (MySQL, DB2)
- Cryptography & Computer Security and Privacy
- Software Testing, Quality Assurance and Maintenance
- Concurrent and Parallel Programming (uC++)

Relevant Course Projects:

- **Quadris:**
  Developed a non-real time tetris game using: Singleton, Visitor, Factory and Template design patterns. It is programmed with 3 difficulty levels.

- **WLP4 Compiler:**
  Developed a compiler for a simplified programming language Waterloo Languages Plus Pointers Plus Procedures (WLP4) using MIPS Assembly and C++.

- **OS161 Kernel Design:**
  Designed and extended the base implementation of OS161 that runs on sys161 machine simulator. Implemented synchronization primitives, syscalls, and virtual memory management.

- **WATCola**
  Developed direct communication and complex interactions among tasks by using high-level concurrency techniques in uC++.

Baku State University

BCS – Bachelor of Computer Science
September 2011 – June 2012

AWARDS

- Euclid math contest, distinction award (2012)
- Full Scholarship from the Ministry of Education of the Republic of Azerbaijan to study at the University of Waterloo (2012)

ACTIVITIES

- President of Azerbaijan Students Association at the University of Waterloo (May 2015 – September 2015)
- Google Code Jam, Facebook HackerCup
- Self-study on Coursera