

Mikhail Temkine

Address and phone
number available upon
request

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myselfasiam.com

Objective

- Software developer position in a modern and creative design team
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Education and Awards

- 4th year Bachelor Computer Science, University of Toronto (Graduating in May 2009)
Program: Software Engineering
Current grade point average: 3.45/4.0
 - Dean's list scholar
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Corporate Experience

EPSON Canada Limited (16 months coop: May 2007 - August 2008)

Worked on the following projects:

- XML-customizable GUI wrapper for running unmanaged imaging processing libraries and performing operations on relational databases
.NET, C/C++, C# (ADO.NET library), XML
 - Optical character recognition (OCR) engine. Adaptive algorithm based on the k-nearest neighbor (KNN) feature space. Collected samples and trained the KNN feature space
C/C++, Matlab, Python
 - Security camera face recognition and greeting system
C/C++ (MFC, Microsoft Speech API, IC Imaging Control SDK)
 - 3D volumetric human face scanner based on 39 cameras mounted onto a cylindrical frame and connected to two synchronized quad core machines. This apparatus was demoed at the Henry's Photographic Show in Mississauga, Ontario on 12-14 October, 2007
.NET, C# (ADO.NET, TCP-IP, Windows Image Acquisition (WIA) libraries), XML
 - Diagnostic data chart GUI extension for a hardware driver tester
C/C++ (WIN32 API)
 - Printer simulation tool for testing defect detection algorithms
.NET, C#
 - Video labeling tool for entering the position of moving objects in a video file
.NET, C# (DirectShow)
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Academic Projects

- 2008: Implemented a web proxy supporting HTML 1.0 and an HTTP packet router
- 2008: PostgreSQL: added LRU/MFU queueing schemes; optimized hash-join with bloom filters
- 2008: Implemented a recursive ray tracer with reflections, refractions and soft shadows
- 2008: Developed the website *chefmadeeasy.com* by customizing a *Wordpress* template
(PHP, HTML, CSS)
- 2007: Compilers course project: compiler and code generator for a specified language (*Java*)
- 2006: Soft input panel (SIP) for Microsoft Windows CE with extendable multilingual support
(C/C++: WIN32 API)
- 2006: Operating System course project: modified OS/161 to implement concurrency, synchronization, virtual memory and file system management (*UNIX, C*)
- 2006: Developed the website *myselfasiam.com* (*PHP, DHTML, Python*)
- 2005: Java 3D engine with collision avoidance and gravity (*Java: Java3D API*)
- 2005: Image shearing tool (*Java: AWT and Swing API*)

- 2003-2004: Notation software for creating MIDI files with a plug-in mechanism for extending editor functionality. (*Java: MIDI, AWT and Swing API*)
 - 2002-2004: High school projects: 3D first person shooter, other games. (*Pascal*)
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Computer Experience

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|-------------------|----------|---------|
| • MS Windows/UNIX | • Python | • DHTML |
| • C/C++ | • Matlab | • PHP |
| • .NET/C# | • Pascal | • CSS |
| • Java | • XML | • SQL |
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Teamwork and Other Experience

- Worked in groups of 4-5 people on various projects in university courses
 - Tutoring in math and computer science
 - Represented EPSON during Henry's Photographic Show (see EPSON experience above)
 - Volunteered in the school library; sorted books and periodicals
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Other Skills and Interests

- Languages (English, Russian, French)
- Music (4 years high school band, 3 years mixing with Audacity/Cubase, 8 years piano/clarinet)
- Art (4 years of Artville Academy artschool)
- Karate