

# Mark Bayazit

---

Programmer & Web Developer

mnbayazit@gmail.com

(604) 805-6275

mnbayazit.com

## Technical Skills

---

- HTML, CSS
- PHP, CakePHP
- JavaScript, jQuery, AJAX
- C++
- Java
- MySQL
- Learning C#, Python, and MATLAB

## Education

---

### Simon Fraser University

B.Sc Computing Science

Sept 2005 – Dec 2009 (expected)

Cumulative GPA: 3.29

### Important Projects

- Software for tabulating votes using the Single Transferable Vote (STV) system
  - Implemented in Java/Swing
  - Worked in small group with tight deadlines for project deliverables
  - Wrote a 173 page report including project planning, software requirement specification, user manual, design decisions, implementation details, test plan and test cases
- Movie database explorer for use with Tablet PC
  - Implemented in C#/.NET and MS SQL
  - Emphasis was placed on creativity and maximizing usage of touch-screen capabilities
- A program for designing photo collages targeted towards non-technical users
  - Implemented in Java/Swing
  - Users could easily import, rotate, resize, and organize photos
  - Included a report that described our design process, a paper prototype, comparison to other existing software, and user testing
- Other projects include
  - an MS Paint-style vector drawing program implemented in C++/MFC using the Document/View architecture
  - a program for recognizing handwritten digits using neural networks
  - 2D and 3D Tetris using OpenGL
  - a 3D ray-tracing engine
  - an algorithm for decomposing simple polygons into convex shapes (now being used in a physics-based computer game)
  - software for recognizing simple shapes in images using MATLAB

# Work Experience

---

## Research Assistant/Programmer

### Simon Fraser University/NSERC Undergraduate Student Research Award

May '08 - Present

- Wrote software for recognizing human gestures in real-time
- Implemented in C++ with OpenCV and OpenGL
- Received research award, was rehired as research assistant, then received funding from University/Industry Liaison Office (UILO) for commercial development

## Web Developer

### City-Demos.com

May '08 - Present

- Converted PSD to HTML/CSS
- Programmed features in PHP/CakePHP
  - Per-user blogs, image, video and audio-clip galleries, and profiles
  - Articles, forums, job postings, and admin-editable static pages
  - Search professionals and employers

### WhiteChocolateEnt.com

Feb '08 – May '09

- Converted PSD to HTML/CSS
- Programmed features in PHP (no framework)
  - Image gallery with email verification
  - Admin section for managing users

### DappersNightclub.com

Feb '08 – May '09

- Photoshop design and HTML/CSS
- Programmed features in PHP (no framework)
  - Admin-approved image gallery
  - Admin-only blog to post latest events and posters

### FVRingette.com

July '05 – July '07

- Photoshop design and HTML/CSS
- Programmed features in PHP (no framework)
  - Custom content management system to manage clothing for sale, newsletters, photos, practice schedules and more

## Misc

2004 – 2008

- To help pay for school, I also worked at the following places part-time and during summers, where I learned time-management, patience, and customer service skills:
  - Various web contracts
  - Assembly line worker at Bayco Confectionary
  - Cashier/stock person at IGA
  - Delivery person/food prep at Andrea's Restaurant
  - Worked in concession, Taco Bell/Pizza Hut/KFC express, and on floor at Famous Players

## Publications/Conferences

---

- Real-time Motion-based Gesture Recognition using the GPU, co-authored by Alex Couture-Beil and Greg Mori. *IAPR Conference on Machine Vision Applications (MVA), 2009.*
  - To be presented at Keio University, Japan on May 20-22, 2009

## References

---

### **Rishi Sharma**

whitechocolateent@live.com  
(604) 897-3454

### **Vitali Stolpner**

vstolpner@gmail.com  
(778) 288-1300