Bao Pham

Combined Major Computer Science and Mathematics - 3rd year

TECHNICAL SKILLS

- **Languages:**   Java, C++, Python
- **Web Development:** HTML, CSS, JavaScript, JQuery
- **Operating Systems:** OSX, Windows, BSD UNIX

SCHOOL PROJECTS

Basic Algorithms and Data Structures CPSC 221
- Implemented a maze solver algorithm in C++
- Achieved 100% for the project

Introduction to Software Development CPSC 211
- Designed and implemented a photo library application to display photos using Java Swing
- Employed JUnit testing
- Implemented tag cloud as a bonus
- Achieved 110% for the project

Introduction to Computation CPSC 111
- Implemented the Game of Life in Java - a cellular automaton devised by the British mathematician John Horton Conway
- Achieved 100% for the project
- Being inspired by the success of the project, ported the Java program into HTML5 and Javascript

PERSONAL PROJECTS

Matrix
- Developed a library of common matrix computations in Java and Javascript

Sorting algorithms
- In the process of compiling a series of sorting algorithms in Javascript
- Sorting algorithms include merge sort, quick sort, insertion sort, heap sort

Personal website
- http://bphamworld.appspot.com
- A site for me to learn and explore new technology
- Right now, the site's main focus is algorithms

WORK EXPERIENCE

Food Server   Sept 2009 - Dec 2010   AMS, UBC
- Demonstrated the ability to cope with stress during rush hours by serving accurately up to 300 customers
- Exhibited good customer service skills by having good communications with customers
- Being initiative at work with little supervision

Project Worker   Jan 2010   Faculty of Dentistry, Dean's Office, UBC
- Handled thousands of patient records by scanning and taking pictures of patients' teeth samples
- Work required strict confidentiality and little room for error

Note Taker   May-Jun 2009   UBC Access & Diversity
- Taken methodical and accurate notes for student with disability for Math 101
- Attended every single lecture on time in order to fulfill my obligation

Private Tutor   Sept-Dec 2010
- Tutored a Grade 12 student in Math
- Motivated and encouraged her to excel in the subject

VOLUNTEER EXPERIENCE

Patient Assistant   May 2009-2010   Burnaby Hospital
- Helped elderly patients be more active and feel more comfortable
- Actively engaged them in conversation to make them happy

Career Days Host   Sept-Oct 2009   UBC
- Organized the program where 65 employers and 45 graduate come to present themselves and attract potential students
- Helped the employers and graduate schools' representatives set up their presentations
- Guided students to the right place and provided answers to their queries

Cashier at Gift Shop   Sept 2007-2008   Vancouver General Hospital
- Accurately handled various types of transactions such as credit, cash, cheques and balancing of accounts at the end of shifts
- Restocked and delivered flowers to patients

EDUCATION

University of British Columbia
- Combined Major Computer Science and Mathematics
- Awarded President Entrance Scholarship for excellent performance in High School

INTERESTS

- Computer Science, Mathematics, Technology, Music, Reading, Poetry, Literature