Christine Yu
BSc, Combined Computer Science and Biology

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Technical Skills

Web Technologies
HTML5, CSS3, JavaScript, jQuery, Rails

Databases
MySQL, PostgresQL, OracleDB, ER diagramming

Version Control Systems
Git & Github, SVN

Languages
C++, Java, Python, Ruby

Operating Systems
Linux (Fedora 19), OSX, Windows

Tools
Photoshop, GIMP, Eclipse, VIM

Education

University of British Columbia, Vancouver BC. (2006-2012)
Bachelor of Science (Computer Science and Biology) with Co-op option
Graduated on Dean's Honour List

Experience

Mobile/Web Software Developer (Current position):
Morningstar Interactive, http://mstar.io/ (Nov. 2012 - present)
- Developer on the Agents of Nature (http://agentsofnature.com) and Explore150 (http://explore150.ca) iOS/Android apps, developed using the cross-platform C++ SDK, Marmalade (https://www.madewithmarmalade.com/).
- Contributed to the designing and building of the web API and backends serving of the above apps, using Python on the Django framework

Ruby on Rails Developer (Directed Studies):
Markus Project, http://markusproject.org/ (Jan. - May 2012)
- Collaborated with a distributed development team on web application using Ruby on Rails
- Contributions included routes bug fixes, checking for cookies, and testing RESTful routes. Achieved "A" final grade for work on project

Database Developer (Co-op):
Vancouver Coastal Health, Privacy and Legal Office, Vancouver BC. (Sep. 2011 - Jan. 2012)
- Created task management database for the VCH legal office that increased productivity, efficiency and information sharing, meeting tight 4-month deadline
- Performed software requirements gathering, designed relational database using ER diagrams, implemented database using MS Access (VBA & SQL), and conducted usability tests with 5 users

Bioinformatics Assistant (Co-op):
Department of Microbiology, UBC, Vancouver BC. (Jan. - Sep. 2011)
- Built web front-end for a microRNA database in PHP and Javascript, leveraging Drupal as a web application framework
- Developed Java program to perform natural language processing on microRNA scientific literature, using LingPipe API

Bioinformatics Assistant (Co-op):
Public Health Agency of Canada, Lethbridge AB. (May - Dec. 2009)
- Created two VBA MS Excel add-ons for biological data analysis that improved analysis accuracy and

optimized analysis time per PCR experiment from ½ day to 30 minutes

Undergraduate Teaching Assistant:
Department of Computer Science, UBC, Vancouver BC. (Jan. - May 2009)
- Facilitated student learning of Java and OOP concepts by supervising labs and marking assignments for CPSC 111

UBC Extracurricular Involvement

Group Leader (Volunteer):
GIRLsmarts, UBC Department of Computer Science (Jan. 2009, 2011 & 2012)
- Inspired interest in computer science in group of 20 sixth grade girls by guiding girls through workshops in HTML, HCI, object-oriented programming and hardware

Senior Student Mentor (Volunteer):
Tri-mentoring Program, UBC Department of Computer Science (Sep. 2010 - Jun. 2010)
- Mentored first-year computer science student by demonstrating passion for computer science and programming

Lead Web Designer (Volunteer):
iBookUnion, UBC (Dec. 2008 - May 2009)
- Played a leading role in the design, development and testing of the website (http://ibookunion.com) for student-run consignment textbook store
- Created, standards-compliant web presence for iBU to UBC's student body with cross-browser testing including various versions of MS IE, Mozilla Firefox, Safari and Opera

Scholarships and Awards

CPSC344 Best Overall Project Award and Student Choice Award, May 2011
Awarded for the most ambitious and deeply explored HCI problem (touch screen restaurant menu)

NSERC Undergraduate Student Research Award, Jan. 2011
Awarded for demonstrating promise for a career in science (held at Kinexus Bioinformatics)

Additional Skills

(Natural) Languages	**First Aid**
Fluency in English and Cantonese Chinese	CPR-C and Bronze Cross Certification, 2005