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David Xia

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Code & Creativity



Highlights

Experienced with web and databases
Languages: C, C++, Java, Javascript, Obj-C, Python, php, MySQL, Ruby, html/css
Proficient in Adobe Photoshop and Illustrator
Excellent numerical and analytical skills
Strong interpersonal and communication skills

Education

Bachelor of Computing & Financial Management
University of Waterloo Sept 2012 - Present
Waterloo, Ontario, Canada

Accounting & Finance Student Assoc. Web Head
Student Investment Fund Analyst Jan - Apr 2015

Employment

Snap Inc., Software Engineer Jan - Apr, Sep - Dec 2016
Built the Bitmoji iMessage extension using Objective C
Implemented Bitmoji geofilters and geostickers in both Snapchat apps
Created layouts and view presenters for a Snapchat Memories in the Android app
Improved memory performance of filtered images on Android by utilizing the GPU

Facebook Inc., Software Engineer May - Aug 2015
Used the HTML5 Canvas API and JavaScript to create a photo editing tool
Created front-end components using React, a Javascript framework
Built internal graph API endpoints and completed web infra tasks in PHP

Yelp Inc., Software Engineer Sep - Dec 2014
Developed a feature enabling users to reorder past food purchases
Designed pages and automated test cases using Python and Selenium WebDriver

KnowRoaming Ltd., Web Developer Jan - Apr 2014
Created a web-based mobile application with HTML5, php and jQuery Mobile
Made a queuing system for managing preorders with Apache Tomcat, Java and MySQL
Built a graph-structured support site using php, MySQL and jQuery

Projects

Designed and built Sxetch, a web-based sketchpad May 2016 - Present
Developed an online weekly room booking system for AFSA Jun - Jul 2016
Created an iOS & Android game similar to Tetris with a Java framework Sep - Oct 2014
Produced a version of the game Brick Breaker in C using the Allegro library Apr 2010

Achievements

Made Dean's Honours List each school term 2012 - Present
University of Waterloo President's Scholarship of Distinction 2012
High school badminton coach's award for leadership 2012

Hobbies

Playing badminton
Drawing art & graphic design
Cullinary artistry