Kevin Pan

University of Waterloo Software Engineering Student

Personal Projects

ElectricFieldVectors (Web App)

- Application models how point and line charges alter the electric field around them
- The electric field is represented by a vector field that changes as the user moves the charge objects around
- Application logic written entirely in **JavaScript**

FrankerZ (Web App)

- A digital pet game similar to Tamagotchi
- Backend implemented with **Node.js** and **PostgreSQL**

KJNK Blog (Blogging Backend)

- Blogging backend developed for my personal website
- Implemented with **PHP** and **MySQL**

LightboxAjaxPhotoGallery (JavaScript Plugin)

- JavaScript photo gallery created for my personal website
- **Ajax** implemented with **JavaScript** and **PHP**

KJNK Docs (A Simple Web Template System)

- A collection of **JavaScript**, **HTML**, **CSS**, **PHP**, and **JSON** files meant to help simplify the process of creating code documentation web pages

GradeTracker (Android App)

- Application keeps track of academic performance via grades
- Developed with the **Android SDK** using the **SQLite** database

Work Experience

Web Developer, Canadian Medical Protective Association, May 1st - August 30th, 2013

- Good Practices Guide website
  - Customized external **JavaScript** libraries utilized by the website to meet web designers' requirements
  - Worked with **Facelets**, a Web template system developed specifically for Java Server Faces
  - Collaborated extensively with web designers on the team
- Electronic File Management system
  - Wrote unit tests using the **JUnit** testing framework as part of a team initiative to improve test coverage
  - Wrote automated UI tests using the Selenium **Java** API
  - Worked in an agile and test driven development environment
  - Frequently pair-programmed with senior developers

Awards

- Dean's Honour List, University of Waterloo, June 2013
- President's Scholarship of Distinction, University of Waterloo
- Headmaster's Award for Academic Excellence, Holy Trinity School, 2011 and 2012

Website
kevinpan.ca

Contact
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Languages
JavaScript, Java, C, C++, and PHP

Web Technologies
Node.js, Java Server Faces (MyFaces and Facelets), and Java Server Pages

Databases
MySQL, PostGreSQL, and SQLite

Version Control
Git and SVN

Environments
Proficient in the Linux command line. Comfortable in any text editor or IDE.

Education
Candidate for Bachelor of Software Engineering

University of Waterloo, Waterloo, ON, September 2012 - present

Ontario Secondary School Diploma

Holy Trinity School, Richmond Hill, ON, June 2012