CHARLES ZINN

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GitHub ⬤ Semicolon314

University of Waterloo
1B Software Engineering

Professional Experience

Junior Developer at OpenText. Waterloo, Ontario.   July–August 2014
- Web development with Node.js, AngularJS, Sails.js, jQuery, and MySQL
- Performed code reviews and used JSHint to maintain code quality and readability

Product at Dejero Live. Waterloo, Ontario   March–July 2013
- Tested and assembled various components into specialized mobile computing systems

Achievements and Awards

- Winner at Hack the North in September 2014 (top 10 out of several hundred teams)
- Placed 1st in the 2014 ECOO Programming Contest at the final (provincial) stage
    - Completed all problems perfectly in the first hour of the three hour competition
- Ranked 1st overall in the DWITE programming contest in the 2012 school year out of approximately 200 competing individuals and teams; placed 1st in two of three rounds
- Received University of Waterloo President's Scholarship of Distinction and Waterloo County Entrance Scholarship
- AP Scholar with Honour (scored 5 out of 5 on AP Computer Science, Calculus AB, Physics, and Chemistry)

Programming Experience

JavaScript
- Experience with both client-side and server-side JavaScript libraries and frameworks
- Developed traditional websites, RESTful APIs, and games

Git
- Used in a professional environment at OpenText from July–August 2014
- Used for collaboration with peers and personal organization since January 2011

Databases
- Normalized and manipulated large databases at OpenText
- Proficient with both traditional SQL queries and SQL wrapper libraries
- Experimented with MongoDB and Redis in personal projects

Python
- Created a website using Flask that ran uploaded user code in a sandboxed environment
- Wrote a script to collect and analyze 80 000 tweets for a data management project

Java
- Developed several games, including a text adventure and a graphical side-scroller

Projects available on GitHub (Semicolon314) and my website (http://charleszinn.ca).

Activities and Interests

Hackathons
- Winner at Hack the North in September 2014
- Attending PennApps and UofTHacks in January 2015
- Multiple small week-long coding challenges with peers

Arch Linux
- Personal project to develop familiarity with Linux and Unix
- Set up a dual-booting system with Windows and Arch Linux on custom built desktop computer in summer 2014
- Customized the functionality and appearance of Arch extensively with shell scripts, configuration files, and manual package selection

Computer Science Club
- Club leader in high school from 2012–2014
- Duties included organizing lessons, running practice contests, and arranging participation and transportation to competitions