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About Me

I'm a second year Computer Science student at Western University. I have over 4 years of experience in various programming languages, with a specialty in Java and web.

I'm looking for a development position that enables me to be a part of a team that is focused on solving pressing problems by implementing creative, brilliant software.

I promise you that I won't disappoint.

Technical Skills

Programming/Web: Java, HTML, CSS, JavaScript, JQuery, XML, Python, C, SQL, Shell Script

OS: Unix, Windows

IDE / Tools: Eclipse, IntelliJ, SqlDeveloper, JDeveloper,

Adobe Suite: Dreamweaver, Photoshop, Illustrator

Office Suite: Word, Powerpoint, Excel

Other Skills

- Strong oral/written communication skills
- Cohesiveness in a team dynamic
- Complex problem solver
- Creative, design-oriented
- Driven by execution

Recent Projects

Personal Website (HTML/CSS/JS)

- <http://www.jackding.ca>
- Created a personal site for myself as a way to publish blog posts, projects, etc.

"Graphic Designers" (HTML/CSS/JS/Adobe Suite)

- <http://publish.uwo.ca/~yding96/finalWeb/index.html>
- Created a website as part of a web design class that explored the lives, works, styles and impacts of famous graphic designers.
- Will be used by the professor in subsequent classes as an example of "excellent" web design and layout.

Back Tabbing Program (Java)

- Developed a program that successfully brackets and predicts the points of breaking teams in 4-team British Parliamentary debate tournaments.
- Accurately predicted the break at the World Universities Debating Championships.

Compression Algorithm Program (Java)

- Created a program that compressed text and image files into binary files of at least half of their original size.
- Implemented a hash table (using a djb2 function) to construct a compression library.

Path-Finding Algorithm (Java)

- Created a program that uses a modified version of Dijkstra's Algorithm to find the most efficient path in a Map of streets.
- Implemented a Graph interface and traversal methods as well.

Asteroids Game (Java)

- Created a version of the classic arcade game "Asteroids" in Java with additional features with original sprites and graphics.
- Used Greenfoot API to implement elements of collisions, movement, window frame rates, spawning, etc.

Space Simulation (Java)

- Led a group of peers to create a space-simulation program of planets
- Tracked and simulated elements of war, development, asteroids, etc.
- Used a physics engine to track orbiting and gravitational pull between objects.

Selected Experience

Director of Events

Nspire, National Business & Technology Conference (2015)

- Spearheaded a national team to organize Canada's largest student-run non-profit conference in the business & technology space.
- Worked directly with sponsors and C-Suite executives to create workshop content, keynote addresses and networking sessions.

Tournament Director & Debater

UWO Debate Society (2014 - Present)

- Coordinated judges, debaters and executives to organize a debate tournament for high school students as a means of raising funds for the club to raise funds for the club.
- Raised more money than any other past tournament director and brought the club into a generous surplus.
- Also a competitive debater in the Canadian circuit: represented Canada and the University of Western Ontario at this year's Worlds Universities Debating Championship.

Director

Toastmasters, Project Life War Orphans (2013 / 2014)

- Led the execution of a fashion show fundraiser for 2 consecutive years. Proceeds went to the World Life Charity's "Project Life War Orphans" program, which rehabilitates children in foreign countries after traumatic events.
- \$32,000 raised

Education

University of Western Ontario (2014-2019):

Double Degree, Honours Specialization Computer Science / Business

Courses:

- Data Structures: (Java)
- Systems Programming: (C, Unix)
- Computer Architecture and Organization
- Software Engineering
- Applied Logic for Computer Science
- Computer Science Fundamentals in Java