

Omar AlAshqar

1A COMPUTER ENGINEERING · UNIVERSITY OF WATERLOO

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Skills

Languages Main: Java, JavaScript, HTML/CSS | Familiar with: C#, Python, PHP, Bash

Tools LaTeX, Git/GitHub, Eclipse IDE, Vim, Atom | Preprocessors: HAML, SASS | Libs and Frameworks: jQuery, AngularJS

Design Photoshop, Illustrator, InDesign

Experience

Graphic Designer | PREP DOCTORS

Aug. 2016 - Present

- Handled all the design tasks such as producing material for the marketing team, designing logos, flyers, posters, and book covers.
- Developed better time management and collaboration skills from coordinating with other teams from the company in the office.

Freelance Graphic Designer | GPS GATES

Jun. 2016 - Oct. 2016

- Designed product information sheets for all of their products, which included technical sketches.
- Improved communication skills in order to iterate over material and meet deadlines.

Extracurricular Activity

Team Member & Lead Programmer | FIRST ROBOTICS TEAM 6378 - LYNX

Oct. 2016 - Jun. 2017

- Programmed the robot using the FRC WPI Robotics Library in Java with feedback from external sensors and driver control.
- Prototyped and implemented various controllers to manipulate PWM based subsystems on the robot.
- Debugged and troubleshooted networking issues between the DriverStation software and the robot to optimize performance.
- Designed team logo and graphic assets based on team input.

Co-Founder & Tutor | SLSS (HIGH SCHOOL) CODE CLUB

Oct. 2016 - Jun. 2017

- Co-Founded and tutored the high school's first Computer Science club.
- Introduced new students to programming in Python/JavaScript and trained experienced programmers in Java with coding challenges.
- Assisted students seeking help with their computer science courses.
- Participated in the 2017 ECCO programming contest as a team.

Projects

- 2017 **Swift Elements** Dynamic search enabled web app that displays the elements of the periodic table based on user input using jQuery.
- 2017 **No Chill** Crossy Road, a modernized Frogger, clone using Java. Features an endless game with random generation.
- 2016 **Arduino Robots** Assembled and programmed multiple robots using Arduino chips and components. The robots include an accelerometer controlled car and a maze-solving car.
- 2016 **SLSS Announce** Built a web app to host high school announcements with student and admin accounts to post announcements. The front-end uses HTML, CSS, and JS while the back-end utilizes PHP to communicate to a MySQL database where the posts are saved.
- 2016 **Library Manager** Developed a desktop library management system that tracks users' information, available, and booked-out material using Java for a CS course.

Education

Candidate for BAsC in Honours Computer Engineering | UNIVERSITY OF WATERLOO

2017 - 2022

Ontario Secondary School Diploma | STEPHEN LEWIS SECONDARY SCHOOL

2013 - 2017

- Graduated with an average of 94.5%.

Honours & Awards

- 2017 **UW President's Scholarship**, Awarded for academic excellence
- 2015 **Certificate of Distinction**, University of Waterloo Cayley Mathematics Contest
- 2014 **School Champion**, University of Waterloo Pascal Mathematics Contest