

ALEX GUO

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SUMMARY OF QUALIFICATIONS:

- A fast and enthusiastic learner as demonstrated through gaining knowledge of MS SQL Server by working at Dunk & Associates over a 3-month period
- Hands on experience with web development and SQL programming as demonstrated through programming a CRM at Dunk & Associates
- Strong math skills as demonstrated through earning numerous CEMC Waterloo Math Contest distinctions

TECHNICAL SKILLS:

- **Languages:** JavaScript, Java, C#, C, C++, Racket
- **Databases:** MS SQL Server
- **Web:** HTML5, CSS3, JSON/XML, jQuery, Ajax, ASP.NET MVC, Responsive Design (Bootstrap), REST
- **Dev Tools & Services:** IIS, GIT, Visual Studio, NetBeans, GitHub
- **Operating Systems:** Windows, Linux/Unix

WORK EXPERIENCE

Junior Developer, Dunk & Associates (June 2019 – August 2019, May 2020 – August 2020)

- Dunk and Associates mainly offers businesses customized solutions to help manage programs: health and safety, human resources or wellness
- Effectively programmed a CRM (customer relationship management) web application using ASP.NET MVC and SQL Server; allowed companies to manage contacts, communications, projects, and services for clients.
- Worked under a senior developer in order to make enhancements and bug fixes to the CRM application, successfully collaborated with a software tester to maintain and improve the application

VOLUNTEER EXPERIENCE

- Math Tutor, Bayview Secondary School (2017 – 2019)
- Computer Tutor, Bathurst and Clark Resource Library (2017 – 2018)

PROJECTS

- Straights card game (December 2020)
 - Implementation of a 4-player card game supporting computer players
 - Each player takes turn placing cards, can only place 7's or cards adjacent in rank. Must discard otherwise. Winner determined by whichever player has the lowest discard pile rank sum
- MediMate app (January 2020)
 - Android app programmed in Flutter allowing users to take pictures of prescriptions and obtain information on side effects and dosage reminders
- ConnectScore game (August 2018)
 - A connect four game coded in Java with a fully completed GUI
 - Supports two-player mode, a computer opponent with varying difficulty levels, and customizable tokens

EDUCATION

Computer Science, University of Waterloo (September 2019 – present)

- Current average: 88.6/100
- Completed courses:
 - Designing Functional Programs, Algebra for Honours Math, Calculus 1 for Honours Math, Elementary Algorithm Design and Data Abstraction, Linear Algebra 1 for Honours Mathematics, Calculus 2 for

Honours Math, Introduction to Combinatorics, Probability (STAT 230), Logic and Computation, Object-Oriented Software Development

- Courses in progress:
 - Statistics (STAT 231), Data Structures and Data Management, Foundations of Sequential Programming, Computer Organization & Design

Toronto District School Board Summer School (July 2018 – August 2018)

Courses: Introduction to Computer Science, Grade 11; Computer Science, Grade 12 University Preparation (Java)

International Baccalaureate Diploma, Bayview Secondary School (September 2015 – June 2019)

AWARDS & ACHIEVEMENTS

- CEMC Waterloo Math Contests (Euclid Grade 12 Math Contest top 25% (2018), Hypatia Grade 11 Math Contest top 25%, Honour Roll Group V (2018), Fermat Grade 11 Math Contest top 25%)
- Double Fish My Table Tennis Club Circuit I 2016 U500 Champion (2016)
- Top Spin Table Tennis Four Seasons Spring Open U500 2nd Place (2016)

ACTIVITIES & INTERESTS

- University of Waterloo Table Tennis Team: Player (2019-present)
- University of Waterloo Beginner Intramural Basketball: Player (2019-present)
- Bayview Secondary School Table Tennis Club: Founder and President (2017 – 2019)
- Bayview Secondary School Instrumental Band: Clarinet player (2015 – 2019)