ALEX XIE

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EXPERIENCE

PROJECTS

JULY 2016
KANYE QUEST | JAVA
Completely original top down 3rd-person shooter with weapons, powerups, & custom maps.
Implemented bullet & environment collision systems and further explored Java classes.

FEB 2016
TRON LIGHTCYCLES | JAVA
Multiplayer game based on the movie with custom assets and multiple game modes.
Used Java classes to properly add game objects, pause, and navigation menus.

JUNE 2015
TWO PLAYER TETRIS | PYTHON
Recreation of the familiar classic game with a multiplayer competitive twist.
Implementation of a basic menu & sound effects using while loop & mixer, respectively.

JAN 2015
POKÉPAINT | PYTHON
Basic paint program with a rudimentary menu bar & fill, undo/redo, stickers, and text tools.
Utilized file I/O for saving and loading user paintings.

WORK

JULY 2016 -
AUG 2016
PARC RÉGIONAL DE LA RIVIÈRE DU NORD | FULL TIME
Park patrol, maintenance, and front desk in a fully francophone environment.

MAY 2016 -
AUG 2017
WINDSOR SOCCER CLUB | PART TIME
Head and assistant referee for U13 competitive matches.

OTHER

OCT 2017 -
PRESENT
EQUITHON | OPERATIONS COORDINATOR
Responsible for organizing and planning Waterloo's largest social innovation hackathon.

NOV 2017 -
PRESENT
STARTERHACKS | MARKETING TEAM MEMBER
Member of team involved in marketing Waterloo's hackathon for beginner coders.

MAR 2016 -
APR 2017
MASSEYHACKS I, **II**, & **III |** PARTICIPANT
Participated in & learned from 3 iterations of Canada's first high school MLH hackathon.

JULY 2016 -
AUG 2016
YMCA SUMMER WORK STUDENT EXCHANGE | PARTICIPANT
1 of 8 in the region selected to live and work in Quebec for an entire summer.
Gained useful language, problem solving, teamwork, and independence skills.

NOV 2015 -
DEC 2016
ANS & UCCP | ENTERTAINMENT & SECURITY EXECUTIVE
Selected and managed 200+ security volunteers at All Night Social.
Ensured safety of 350+ children at the Underprivileged Children's Christmas Party.
Organized and supervised most major activities and events at both events.

EDUCATION

FALL 2017 -
PRESENT
UNIVERSITY OF WATERLOO | Candidate for BCS (May 2022)
1A Honours Computer Science student.
96% Major Average. 87% Cumulative Average. Term Dean's List.

AWARDS AND SKILLS

> **PRESIDENT'S SCHOLARSHIP OF DISTINCTION |** $4000 VALUE
> **FACULTY OF MATHEMATICS SCHOLARSHIP |** $5000 VALUE
> **V.M.S.S. HYPATIA CONTEST TOP 5 |** 5th OUT OF ~300 PARTICIPANTS
> **RED CROSS CPR/FA CERTIFICATION**
> **DELF B1 FRENCH CERTIFICATION**
> **FLUENT IN ENGLISH, MANDARIN, & FRENCH**
> **FAMILIAR WITH PYTHON, JAVA, HTML, CSS, & SCHEME**
> **SUBSTANTIAL KNOWLEDGE OF PC COMPONENTS & PARTS**