

# Ali Raza Zaidi

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## Education

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### University of Waterloo

B.CS · Computer Science

*September 2020 - Present (Expected: April 2025)*

Courses: Functional Programming (CS 135)

### Bayview Secondary School

IB Diploma · OSSD

*September 2016 - June 2020*

Courses: Introduction to Computer Science (ICS3U)

## Experience

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**Private High School Mathematics Tutor · Self-Employed · February 2020 - Present**

· Design personally tailored lessons to foster learning and help students develop an understanding of the course material.

**Miscellaneous Volunteer · Al-Haadi Sunday School · September 2015 - June 2020**

· Completed miscellaneous tasks before classes started to ensure the school day flowed smoothly.

· Created innovative lessons to teach 5th graders, using a variety of technologies and strategies.

**Miscellaneous Volunteer · YRDSB · September 2016 - February 2020**

· Volunteered in the YRDSB International Languages program, helping students develop an understanding of Urdu.

· Volunteered as a private science tutor, teaching High School Biology and Chemistry.

## Skills

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### Technical Skills

**Java** (Intermediate) · **Python** (Intermediate) · **Racket** (Student) · **HTML** (Intermediate) · **CSS** (Intermediate)

**XML** (Beginner) · **JSON** (Beginner) · **Android Studio** (Intermediate) · **Git** (Intermediate)

**Data Structures** (Arrays, Trees, Graphs) · **Algorithms** (Sorting, Searching)

### Traits

Communicator · Ambitious · Collaborative · Problem-Solver · Open-minded · Analytical Mindset · Innovative

## Projects

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**ACNH Bot** · A Twitter Bot broadcasting Animal Crossing New Horizons in-game updates.

**Tools:** Java · APIs · Twitter4j · GSON · Git · Binary Search

**Green Dome** · A religious tool for the Shia Ithna-Asheri Community. Includes a Qibla Compass & Salah Clock.

**Tools:** Android Studio · Java · XML · APIs · Git · Contemporary UI Design

**EduCreate** · A hub platform for students to use to make education accessible and entertaining.

**Tools:** HTML · CSS · JS · Git

**GitHub** · Additional projects are available on my GitHub Page

## Personal

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### Awards

· University of Waterloo - President's Scholarship of Distinction

· Al-Haadi Sunday School - Valedictorian of the 2019 Graduating Class

· Bayview Secondary School - 98.7% Top Six Average in Grade 12 · Honor Roll

### Teamwork & Leadership

· Al-Haadi Student Council President (2018-2019) · Volleyball Team (2014-2019) · Track and Field Team (2019)

### Hobbies

· Volleyball · Hockey · Basketball · Table Tennis · The Legend of Zelda · Astrophotography · Movies · Reading