

# 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 make sure that 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 as a tutor for high school science and elementary-level Urdu.

## Skills

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**Java** (Intermediate) · **Python** (Intermediate) · **Racket** (Student) · **HTML** (Intermediate) · **CSS** (Intermediate)  
**XML** (Beginner) · **JSON** (Beginner) · **Android** (Intermediate) · **Git** (Intermediate) · **Bootstrap** (Intermediate)  
**Heroku** (Beginner) · **Data Structures** (Arrays, Trees, Graphs) · **Algorithms** (Sorting, Searching)

## Projects

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**CaPredictor** · A website dedicated to valuing NHL players based on their previous season's play. Uses Multiple Linear Regression models to create player valuations, which are accessed by the Flask backend and sent to a database using SQLAlchemy, once the user input has been received. The Frontend was developed with the Bootstrap framework.

**Tools:** Python · HTML · CSS · Git · Flask · Heroku · APIs · SK-Learn · SQLAlchemy · Jinja2 · Bootstrap

**ACNH Bot** · A Twitter Bot broadcasting Animal Crossing New Horizons (ACNH) in-game updates. Created with Java and uses the Twitter4j library alongside the Twitter API and the ACNH API to formulate the required message.

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

**Green Dome** · A religious tool for the Shia Ithna-Asheri Community. Created with Android Studio (Java & XML). Includes many different features, making use of Android permissions, the GSON library and much more.

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

**EduCreate** · A hub platform for students to use, to make education accessible and entertaining. This project was made in collaboration with several friends as part of the 2020 [DIC](#) Hackathon.

**Tools:** HTML · CSS · JS · Git

**GitHub** · Additional projects are available on my GitHub Page — ([github.com/AliRZ-02](https://github.com/AliRZ-02))

## Personal

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### Traits

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

### 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