

# ZAYD TAHIR

Mechatronics Engineering Student

[linkedin.com/in/zaydtahir](https://www.linkedin.com/in/zaydtahir)



[github.com/zaydtahir](https://github.com/zaydtahir)



+1 647 572 3990    [zayd.tahir@uwaterloo.ca](mailto:zayd.tahir@uwaterloo.ca)    [zaydtahir.com](https://zaydtahir.com)

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## SKILLS

**Languages/Tools**    Java, Python, C#, C++, AutoCAD, SolidWorks, Arduino, Microsoft Office

**Technologies**    MongoDB, 3D Printing

**Machine Skills**    Lathe, Drill Press, Milling Machine, TIG Welding

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## RELEVANT EXPERIENCE

### **FIRST Robotics Team 3571, 2016 – 2020 - Software Team Lead**

Implemented autonomous motion through PID controls, vision-processing, and encoders  
Demonstrated strong leadership skills as software team lead  
Gained extensive Java experience and developed various machine tool skills

### **DECA, 2018 – 2020 - Vice President of Chapter Development**

Achieved over 100% chapter growth as Vice President of Chapter Development in senior year  
Placed top 10 at Ontario Provincial Competition (2020)  
Qualified for ICDC - International Competition (2020)

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## PROJECTS

### **BediBot, 2020 - Database-driven Python Discord Bot**

Provides email verification via the UW V2 WatIAM API  
Data is stored using MongoDB  
In active use in both official and unofficial UW Discord servers with 1800+ unique users

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## WORK EXPERIENCE

### **Delcit Inc, 2017 – Present - Administrative Assistant**

Demonstrated proficiency in Microsoft Office programs by preparing various documents and reports  
Gained valuable experience in a professional environment under IT Consulting Company

### **McDonalds, 2018 – 2020 - Crew Member**

Developed excellent communication skills and ability to work in a team  
Demonstrated strong time-management skills by working 10+ hours weekly throughout high school

### **Tutoring, 2018 - Private Math Tutor**

Demonstrated teaching abilities to explain concepts to struggling students  
Demonstrated communication and planning skills

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## AWARDS & DISTINCTIONS

**John Milton Chapter IODE Shield, 2019** - Highest Academic Standing in Year 3

**Sir Isaac Newton Exam, 2019** - Within the Top 200 Contestants in the World

**OAPT Physics Contest, 2019** - 92nd Percentile of all Contestants

**Shin Ji Kan Kai Kai Shin Go Ju Ryu Karate, 2019** - Achieved the Rank of Ju-Sho-Dan

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## EDUCATION

### **University of Waterloo, 2020 – 2025**

Candidate for BSc in Mechatronics Engineering  
Cumulative GPA: 4.0