

Samta Priya Jain

Computer Science 1B | spriyajain.github.io | spjain@uwaterloo.ca | 647-860-5622

SKILLS

Languages: Python, Java, JavaScript, HTML, CSS, C#, C, LaTeX, VB.NET, Racket, SQL

Technologies: Bootstrap, Phaser.JS, Numpy, Pandas, Scikit, Materialize.css

Tools: Git, Unity, Unix, PyCharm, IntelliJ IDEA, Netbeans

AWARDS

- **First Place** in school for Canadian Computing Competition 2017, 2016, 2015
 - Ranked **8th** worldwide for DECA's Business Finance Series, 2018
 - President's Scholarship Of Distinction, entrance average 95+
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LEADERSHIP

The Lions Byte | Executive
Sept 2017 - June 2018

- Organized and judged final submissions of two hackathons
- Conducted workshops on **web development** and **Python**

DECA | Co-President

- Sept 2015 - June 2018
 - Co-founded DECA business competition chapter, led **171** students, guided **68** to compete provincially, **9** internationally
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EDUCATION

University of Waterloo
Honours Computer Science
Candidate for Bachelor of Computer Science, April 2023

PROJECTS

Forest Fire Damage Predictor Aug 2018

- Applied machine learning regression Random Forest, predicts amount of land damaged by analyzing environmental data
- Used **Python** with Pandas, Numpy, and Scikit libraries to prepare, train, and test data with **95.08%** accuracy

Tic Tac Toe AI Dec 2017

- Implemented **Minimax** algorithm to create AI to win Tic Tac Toe
- Used Java, with **Swing** and **AWT** to create appealing UI

Angry Antarctic Jan 2018

- Created 2D **Unity** game inspired by Angry Birds, using Unity's physics engine to perfect object behaviour in space
- Designed 10 levels of engaging gameplay with peer developer

Web Development July 2016 - Feb 2018

- Designed **responsive**, professional website for accounting firm using Bootstrap, HTML, and CSS to increase market reach
 - Developed 2D browser game using **Phaser.JS** that continuously generates random gameplay
 - Built dynamic, versatile metronome using JavaScript, jQuery, HTML, and CSS
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EXPERIENCE

Watlock | Ethernet Server Project Lead
Oct 2018 - Present

- Collaborating to engineer airlock for Mars colonization
- Leading project to construct **server communication** methods using Arduino and C, integrating server with other components

Junior Achievement | Web Developer
Oct 2016 - Apr 2017, Oct 2017 - Apr 2018

- Collaborated to design brochure websites for two growing Junior Achievement startups, using HTML and CSS
- Achieved ROI of **242%** within 7 months

Hackathons

- Developed a motivational chatbot prototype using Python at Fraserhacks in February 2017
- Created remote fast food ordering app prototype using Javascript, HTML, and CSS at Bonfire in August 2017