

# Mitchell Sturba

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## EDUCATION

### **BSC Computer Science – Specializing in Software Engineering**

University of Windsor - Windsor, Ontario / September 2017 - present

## EXPERIENCE

### **Teaching Assistant - Computer Science Program**

University of Windsor - Windsor, Ontario / September 2018 - present

- Leads and instructs students in **Java** and **C** based laboratory classes
- **Proctors** and **grades** midterms and exams in various **computer science** classes
- **Holds office hours** and provides students with academic assistance among topics such as **linked lists**, **stacks**, and **queues**.

## PROJECTS

### [ShapeShift! - Android/iOS App](#)

- **Sole developer** and **programmer** of the **iOS/Android** based mobile game **ShapeShift!**
- Developed the application using **Unity** and **C#**
- **Successfully deployed** the application to both the **Play Store** and **App Store**
- Received over **800 downloads** among the Google Play and App Store
- Over **25 reviews** with a **4.7/5 rating**

### [Path Finding Algorithm](#)

- A **Java** program that lets the user create a maze and watch an algorithm search for the exit
- Uses data structures such as **linked lists** and **queues** to find the **most efficient** path
- Entirely created using the JetBrains **IntelliJ** IDE

### [Sorting Algorithm Visualizer](#)

- Developed using **Java**, the sorting algorithm visualizer is an executable jar file that shows a step-by-step example of how the sorting algorithm **bubble sort** systematically sorts a group of vertical lines by length

## SKILLS

- Proficient in **C**, **C#**, **Java**, **C++**, **HTML**, and **CSS** languages
- Years of experience working with **Unity**, **Visual Studios**, **Xcode** and various other **IDEs**
- Experience using the 3D computer graphics software **Blender** as demonstrated in various projects such as ShapeShift!
- Worked with both **Windows** and **Mac** operating systems
- Able to write **maintainable** code as demonstrated by the regular updates and improvements to the ShapeShift! mobile game
- Excellent communication skills developed through working as part of a team of teaching assistants and had to regularly respond to emails quickly