

# Shaf Nasir

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## EDUCATION

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**UNIVERSITY OF TORONTO**, Mississauga, ON, Canada

Bachelor of Science in Computer Science (Honours), Expected 2019

**Coursework:** Data Structures and Analysis, Software Tools and Systems Programming, Computer Organization, Software Design, Introduction to the Theory of Computation

## SKILLS

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**Languages:** Java, Python, C, JavaScript, HTML, CSS, XML, LaTeX

**Software/Tools:** Eclipse, PyCharm, Vim, Android Studio, Git, VMware, ShareLaTeX, Microsoft Office

**Other:** Strong analytical, problem solving, teamwork and communication skills

## PROJECTS

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**FILE SYNCHRONIZATION SYSTEM**, March 2017

- Developed a C terminal program that copies a file or directory to a destination file tree
- Program uses multiple processes in parallel to copy sub-directories

**PAINT PROGRAM**, November 2016

- Built a program in Java that lets users draw shapes with different colours and sizes
- Contains many additional features such as cut, copy, paste, save and load

**RIDESHARING SIMULATION**, February 2016

- Developed a program in Python that simulates different ridesharing scenarios
- Program calculates statistics based on location, driver speed and rider patience

**TEXT ADVENTURE GAME**, November 2015

- Created a text-base game in Python where the player travels through a map and retrieve items to win

**CALENDAR DATABASE**, October 2015

- Built a program in Python that lets users import and edit a calendar database
- Program allows users to add or remove events and display them sorted by date

**STOMP IT**, June 2014

- Created a side-scrolling game in Python where the player jumps over obstacles and collect coins

## EXTRACURRICULAR ACTIVITIES

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**UofTHacks IV**, January 2017

- One of 500 students accepted to University of Toronto's annual 36-hour hackathon
- Built a top-down 2-D shooting game in Java with Swing GUI in a team of three
- Attended Microsoft's bot workshop and Deloitte Digital's transformation workshop

**Udacity:** Android Development for Beginners course (Summer 2016)

**Codecademy:** JavaScript course, HTML & CSS course (Summer 2015)