

# 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:** Algorithm Design and Analysis, Operating Systems, Introduction to Databases, Data Structures and Analysis, Software Tools and Systems Programming, Software Design

## SKILLS

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

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

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

## PROJECTS

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**FILE SYNCH**, March 2017

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

**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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**UTM MCSS**

- Member of UofT Mississauga's Mathematical and Computational Sciences Society

**UOFT HACKS IV**

- Accepted to University of Toronto's annual 36-hour hackathon (January 2017)
- Built a top-down 2-D shooting game in Java with Swing GUI in a team of three

**ONLINE COURSES**

- Front End Development (freeCodeCamp), Android Development (Udacity), Codecademy