

Davood Anbarnam

Tel: +1 (647) 949-2484

E-mail: dmser1@hotmail.com

Technical Experience

- **Languages** : Java, C/C++, Verilog
- **Methodology** : Agile, Waterfall
- **Source Control** : Git

Projects

- Post-Fix Calculator in Java (<https://github.com/Bastani/PostfixCalc/tree/master/CalcV7>)
 - Lead designer and programmer in group of 5
 - Wrote an expressions parser for evaluating mathematical expressions
 - Designed and wrote algorithm for minimum parenthesizing of mathematical expressions
 - Designed and wrote the MVC pattern used
 - Wrote Design Documentation
- Skateboard Run in Java (<https://github.com/Davood96/SkateBoardRun>)
 - Attempt at game AI
 - Wrote algorithm for procedural generation
 - Wrote collision detection system
- Monopoly on Command Line in C/C++ (<https://github.com/Davood96/MonopolyCMD>)
 - Wrote a template for a card deck
 - Wrote algorithm to 'shuffle' a deck of cards
 - Wrote random number generator to simulate a die throw
- Zybo FPGA Function Generator (using VIVADO 2016)
 - Outputs SIN, Square, Sawtooth and Triangle waves using Lookup tables
 - Variable, user-controlled amplitude and frequency using button presses
 - Wrote module to interface with PmodDA2™ Digital to Analogue Converter

Academia

- BEng Software Engineering (Expected Graduation Year – 2018), Lassonde School of Engineering
- 8.44 / 9 GPA
- Dean's Honor Roll – 2014/15, 2015/16
- Chair's Honor Roll for Mathematics – 2014/15
- York University Continuing Student scholarship – 2015, 2016
- York University Undergraduate Bursary – 2014, 2015

Volunteer Work

- Bethune SOS peer tutor for 1st year calculus (2015 – present)
 - Weekly, two-hour personal tutoring
 - Participated in recruitment process
 - Gave campus tour for Academic Orientation