

Milan Patel

647.878.0131 | milan.patel@uwaterloo.ca | github.com/milan-patel

SKILLS

SUMMARY

- Proficient in C, C++, Python, and R. Familiar with Excel/VBA, Git, SQL, Shell Scripting, HTML/CSS, Swift, and Node.js.
- Adept, analytical, and detail-oriented as evidenced by my coursework, my NASA Space Apps project, and my experience performing QA for CPI Card Group Ltd.

EDUCATION

UNIVERSITY OF WATERLOO | BMath in Statistics

May 2020 | Waterloo, ON

Cum. GPA: 3.3 / 4.0

- Coursework includes Applied Linear Models, Integral and Differential Calculus, Simulations of Complex Systems, Algorithms, Functional, Imperative, and Object-Oriented Programming, and Experimental Design.

EXPERIENCE

CPI CARD GROUP LIMITED | Quality Technician

June 2015 – Aug 2015 | Brampton, ON

- Implemented Six Sigma methodology across different stages of card manufacturing. Performed 3 types of detailed quality checks hourly and kept meticulous records of errors.
- Completed an accurate, efficient inspection on a 5000 card order within two weeks.
- Analyzed error records, recognized areas of concern, and reported them to management.

PROJECTS

NASA SPACE APPS | Canadian Space Agency Challenge Winner

Apr 2017 – July 2017 | Waterloo, ON & Montreal, QC

- Utilized OpenCV and Python to build an algorithm to scan ionograms and compute their metadata.
- Provided researchers with a searchable web page to find relevant ion density data.
- Won 1st place in Waterloo and demoed the product to experts in the Canadian Space Agency with my team

CHESS SIMULATOR | Cumulative Class Project

Feb 2018 - Mar 2018 | Waterloo, ON

- Built a fully-functioning command line chess simulator with a simple graphics display in C++
- Completed a 5 page report justifying the Computer Science concepts used in the simulator, demoed the project, and earned a 91% grade

HOW TO WIN FANTASY BASEBALL | Personal Project

Feb 2018 | Brampton, ON

- Compiled three years worth of Major League Baseball statistics and used linear regression models to project 2018 player statistics.
- Used Excel/VBA to assign a wins-added value for each useful stat provided (i.e. Home-runs, Walks, Strikeouts, etc.). Computed the unadjusted values for each player, then modified it according to player position.
- Created a simple pre-season draft ranking list.
- Provided a clear interface to search through player stats and relative value added depending on league settings.
- Currently in 1st place in personal fantasy baseball league.

CLIPPERNICUS | Personal Project

Jan 2018 | Waterloo, ON

- Built a website with Node.js framework and Python
- Featured an embedded video player of NBA highlights of the Los Angeles Clippers, displaying recent tweets, articles, and news related to the team.