

# Yatin Kapur

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## TECHNICAL SKILLS

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**LANGUAGES:** Python • Racket (Scheme) • C • SQL • HTML5 • CSS •  $\text{\LaTeX}$

**FRAMEWORKS & LIBRARIES:** Flask • Bootstrap • Numpy • Pandas • Matplotlib • Re • BeautifulSoup

**TOOLS:** Vim • Git • IPython/Jupyter Notebook • JIRA • HP QC

## EXPERIENCE

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**INDIGO BOOKS & MUSIC**, Junior Quality Assurance and Support Analyst *Brampton, ON | May 2017 – Present*

- Operated with ERP and EWM modules in SAP to test interfaces and order waves processing in the deployed software to ensure label printing, shipping status, and procurement logic was maintained.
- Wrote and executed **over 100** test cases in HP Quality Control, while reporting bugs found to JIRA.
- Applied SQL queries in Microsoft SQL Server 2016 to find, select, and process vendor and shipping data into and out of warehouses for test data preparation and aggregation.

**GOLDEN SPEAKER'S CLUB**, Marketing Executive – Web Developer *Waterloo, ON | October 2016 – April 2017*

- Designed and developed the Golden Speakers website with HTML & CSS.
- Implemented change in timings to increase attendance to bridge gap between council and students.
- Delivered and engaged in public talks with students and teaching mentors.

## PROJECTS

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### \$TICKER

*July 2017*

- A responsive stock ticker for NASDAQ symbols with live quotes available on demand with **60 second granularity**.
- Implemented with data collected from googlefinance library in Python and googlefinance web csv feeds.
- Python, Flask, Heroku, Matplotlib, Pandas, Bootstrap.

### PASSWORD ANALYSIS

*June 2017*

- Tested a sample of **61682** user entered passwords to classify into character based categories using **regex**.
- Conducted **entropy analysis** to decipher strength and wrote a script to increase password entropy by **30.24%**.
- Python, Jupyter, BeautifulSoup, Re, Matplotlib, Pandas.

### VIZ-A-WEEK

*June 2017*

- Commitment to publishing a weekly data visualization from u/viz-a-week2017 on the subreddit r/dataisbeautiful.
- Implemented practices of validating, calculating, and filtering data to find appropriate visualizations.
- Python, Seaborn, Matplotlib, Pandas.

### FIND FOOTY

*July 2016*

- Gave analysis of soccer events using performance based metrics.
- Compared **expected goals (xG)** with **points dropped** to find a correlation between goalkeepers stability.
- Using the **Time to Shoot (TTS)** and **expected goals (xG)**, predicted the Euro 2016 knockout match outcomes with an accuracy of **56.25%**.

## EDUCATION

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**UNIVERSITY OF WATERLOO** | Candidate for Bachelor of Computer Science

*2016 – 2021*

**WILFRID LAURIER UNIVERSITY** | Candidate for Bachelor of Business Administration

*2016 – 2021*