

# Jacky Van

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## Education

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Computer Science Specialist B.Sc - University of Toronto

Sept '12 - Present  
(Expected finish: April 2017)

## Relevant Work Experience

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**Web Developer & IT Support Assistant** - E.J. Pratt Library

Sept '15 - Present

- Implemented Solr as the library's archival records indexer and wrote a Python script to convert all library records to fit Solr import formats
- Added a custom lazy loading script to improving the load time from 400 seconds to 2 seconds
- Updated multiple sites to be mobile friendly and responsive
- Provided technical support and troubleshoot problems for both library staff and patrons

**Web Developer & Summer Research Assistant** - McGill Space Institute

Apr '16 - Aug '16

- Built a web interface to manipulate raw and processed pulsar data in the NANOGraV database
- Used D3.js to create scatterplots, histograms and bar graphs which allow user customization - graph size, orientation, grouping, labeling, # of bins, and exportation to .png
- Updated the NANOGraV API built on Flask to decrease the number of queries the interface uses

**Software Developer, Development Intern** – Three Point Turn

Dec '14 - Aug '15

- Built an e-commerce website using Magento with integration to client's backend systems and wrote a PHP script to retrieve product images from a separate server and upload to the corresponding product
- Contributed to the rebranding of a location-based social media application and began the migration from Yi to Node.js and Express.
- Updated the UI of a scheduling application built using Cordova to support iOS and Android
- Updated and redesigned multiple sites to be mobile friendly and responsive

## Projects

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**Visualyze** - Web application

- Tracking fitness progress through graphs. Users can then create combinations of their own graphs and/or their friends' graphs for a picture of overall progress, competition and/or accountability.
- Used: Express, Node.js, PostgresDB, jQuery, D3.js, EJS, HTML/CSS

**University of Toronto Course Scheduler** - Web Application

( <https://github.com/uoft-course-scheduler/course-scheduler-app> )

- Allows a student to insert their desired courses and displays all permutations of their schedule with their chosen filtering options (ie. Evening classes preferred, least number of conflicts)
- Used: Express, Node.js, Cobalt API, Jade, HTML/CSS

**Label** – Google Chrome Extension

( <https://github.com/Jaacky/TabIt> )

- A tab management extension - allow users to save their current tabs and easily reopen in the future
- Used: Google Chrome API, Javascript, HTML/CSS

## Extracurriculars

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- Rotman Commerce Liquid Assets Dragon Boat Team – Captain, Trainer & Paddler      Sept '12 - Jun' 15