

Jacky Van

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Education

University of Toronto - Computer Science Specialist B.Sc

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

Relevant Work Experience

University of Toronto, E.J. Pratt Library - Web Developer & IT Support Assistant

Sept '15 - Present

- Implemented Solr as the library's archival records indexer and created a Python script converting 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

McGill Space Institute - Web Developer & Summer Research Assistant

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 used

Three Point Turn - Software Developer, Development Intern

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

Personal Projects

Visualyze - Web application

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

- Users track their fitness progress through graphs. They can combine their graphs with their own to see an overall progress or with their friends' graphs for competition and/or accountability.
- ➡ Used: Express, Node.js, PostgreSQL, D3.js, jQuery, 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
- Filtering options available (ie: Evening classes preferred, least number of conflicts)
- ➡ Used: Express, Node.js, jQuery, 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

Rotman Commerce Liquid Assets Dragon Boat Team - Co-Captain, Trainer & Paddler

Sept '12 - Jun' 15