Jason Robert Chin

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EDUCATION

UNIVERSITY OF WESTERN ONTARIO - LONDON, ONT   Sep 2016 – Present
- Candidate for **Bachelor of Engineering -** Specialization in **Software Engineering**
- Dean's Honour List
- **Sunstang Solar Car Team**
  - Using Arduino and CAN Bus to establish communications and data logging.

ONTARIO SCIENCE CENTRE SCIENCE SCHOOL (OSCSS) - TORONTO, ONT   Jan 2016 – June 2016
- 1 of 23 high school students in Ontario accepted into a **highly selective, enriched science and math program**
- **Innovation Project** - Interactive Learning Exhibit – created an interactive exhibit that is displayed at the Science Centre to teach the public about forestry and sustainability.
- **Exhibit Presenter** - Prepared and delivered demonstrations on science exhibits to the public weekly. Developed communications and teaching skills while making science interesting and easy to understand.
- **Student Outreach Program** – Presented in front of hundreds of grade 6-8 students about the benefits of a career in STEM and attending the OSCSS.

JEAN VANIER HIGH SCHOOL - RICHMOND HILL, ONT   Sep 2012 – Jan 2016
- **Ontario Secondary School Graduation Diploma with honours**
- **Elected and served as Student Council Leader**
  - Helped organize a weekend orientation trip for new grade 9 students. Planned team-building activities and information sessions. I lead, coached 15 new students.
  - Multi-cultural event – organized an event which promoted integration and diversity. Set up a stand at the event to talk about my culture.
- **Construction Engineering Prize** (Oct 2015) – granted this award for the highest grade.
- **Served as Committee member of Empowered Student Partnerships** – Planned and invited speakers to address our school on the consequences of substance abuse.

OTHER COURSES COMPLETED
- Introduction to Computer Science – MIT Open course (40 hours)   January 2016
- Programming with Python for Data Science - Microsoft   October 2016
- Andrew Ng's Machine Learning – Coursera   November 2016

TECHNICAL SKILLS
Programming and Software Design – Python, PHP, C++, SQL, JavaScript, MATLAB, HTML, CSS
Experience In - Object Oriented Programming, Backend Development, Data Science (AI/ML), Data Scraping
Data Science Libraries - Keras, Tensorflow, SciPy Stack (Numpy, Pandas, Matplotlib), SciKit-Learn & SciKit-Image
Frameworks - Laravel (PHP), Django (Python), Flask (Python)
Virtual Environments – Docker, VMWare
Adobe Applications – Photoshop, Premiere Pro

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EXPERIENCE

CONDOS.CA - TORONTO, ONT   May – Aug 2016/2017
Full Stack Software Developer
- Created and trained an Image Classifier for real estate using a Convolutional Neural Network (CNN). The goal was to provide a better user experience. Researched and evaluated CNN architectures and machine learning frameworks. Provided a local solution for image classification and removed previous reliance on Google Vision API, saving $10,000 per year and increasing image processing speed.
- Ported Python image service from the Flask web framework to Django and adding features:
    - Finding matching high resolution photos from other sources on the internet using perceptual hashing
    - Labeling an image by which room of a house/condo it best represents
- Inherited a legacy project with the goal of enhancing performance. Increased intelligence in the logic which improved performance 4X. Ported the project from PHP, using a wrapper to a Javascript library, to native Javascript.
- Crawled and aggregated real estate information. Automated the data retrieval process in Python using an open source data extraction framework and Optical Character Recognition. Sanitized data using regular expressions and APIs. Designed the SQL database architecture using Laravel's database migrations, models, and relationships.

LONGO'S SUPERMARKET - RICHMOND HILL, ONT   Dec 2014 – Nov 2015
Cashier
- Managed cash drawer efficiently while focusing on superior customer service.
- Time management skills – balanced working as a part time cashier with school work and extra curricular activities.

MPFILTRI - CONCORD, ONT   June – Aug 2014
Shipper and Receiver
- Full-time summer job working in the warehouse where I shipped and received hydraulics parts.
- Received parts, managed inventory, stocked shelves, packed and shipped boxes.

MATH TUTOR - JEAN VANIER HIGH SCHOOL   Sep 2014 – Jan 2015
- During high school, I volunteered to tutor Grade 7 & 8 students in math.
- Explained and demonstrated concepts to others in a clear, concise and easy to understand manner.

OTHER

- Play guitar and enjoy producing and recording music as well as video editing.
- Sports: hockey, snowboarding, flag football