Job Seeker New York, NY Work Experience Region Proposal Networks 2018 to Present NYU Capstone 1st Prize) Mar. 2018-Present   Build and train deep convolu?onal neural networks (CNNs) that can detect and track NYC plumes   Implemented real-Kme object detecKon with Region Proposal Networks on TensorFlow(Faster R-CNN, Deep Learning) Django Based Customized Playlist Generator using Mood Assessment Algorithm Mar. 2018-Present   Implemented the web service with Python, Django for real-Kme recommendaKon service   Designed and developed the Ajax-based frontend with jQuery, Bootstrap   Implemented MVC backend with Django 1.8 and construct PostgreSQL on the AWS server   Designed and developed Emo?on Assessment Model with mulKple Machine Learning methods   Deployed the prototype on Heroku Cloud Plaaorm(ilistenhacknyu.herokuapp.com) First prize for the Na?onal MicrosoR App compe?on Mar. 2014   Invited to teach Windows App development on the Channel 9, the biggest Microsod developer community Python Developer ChromoSense LLC - New York, NY September 2017 to Present Developed C++ program to automaKcally remove the inner walls for all buildings in New York City more than 8,000 lots from 3D model which improved 80% efficiency and accuracy for Urban Heat Transfer Model   Extracted New York City CityGML (3D model) and reshaped the format for data preprocess by Mathema?ca   Mapped the 2D heat images to 3D model of buildings by Open CV and Python Life Abundance Interna?onal, Coaching and Consul?ng (Python, JavaScript, CSS, PHP, MySQL) Taipei, Taiwan Full Stack Developer January 2016 to August 2016 Constructed and designed the official website including designing web layout, connecKng the Facebook API and Google Map API and improving 60% loading efficiency by using PHP, JavaScript, and CSS in 2 months   Raised the Google engine rank from ~~~~~~~~ to ~~~~~~~~ using Python crawling script to analyze   compeKKons Sodware Developer Intern MicrosoR, MicrosoR Technology Center - Taipei, TW July 2014 to April 2015 Jul. 2014-Apr. 2015   Developed Mo?on Detec?on Financial AdverKsement applicaKon and uKlized by Taiwan's Top 5 bank by using Kinect with C# including image analysis and mo?on detec?on which increased 3 Kme of viewers Predicted Taiwan E-News reading behavior by training data on MicrosoR Azure Machine Learning models and designing R script to processing data   Conducted Chinese Lexical Crawler for

predicKng the Taiwan the trend of poliKc by mapping out each word and corresponding emoKon scores using C# Education M.S. in Applied InformaKcs New York University - New York, NY September 2017 to August 2018 B.S. in Bio-Environmental System Engineering Na?onal Taiwan University - Taipei, TW September 2011 to June 2016 Skills C++ (1 year), PHP (1 year), PYTHON (1 year), MACHINE LEARNING (1 year), MYSQL (1 year) Links http://www.linkedin.com/in/chunchiehtsai Additional Information SKILLS   Programming: Python, C++, Scala, Java, C#, R, C Data Analysis: Machine Learning, Deep   VisualizaKon: D3.js, Carto.js, ArcGIS, Q gis Learning, NLP, Computer Vision, Spark   Databases: MySQL, SQLite, PostgreSQL Web general: PHP, Django, jQuery, Bootstrap

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