Andrew T. Van Gilder
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Profile: Aspiring Data Scientist with Analytics Master's (in progress), Applied Mathematics B.S., Chinese Language B.A. (Digital Art and Computer Science minors) with exceptional mentorship experience

EDUCATION		
	Northeastern University *Master's of Professional Studies* Master's: Analytics	January 2018 - 2019 (expected) Boston, Massachusetts
	University of Washington on Coursera *Machine Learning Specialization*	December 2017 - March 2018
	University of Wisconsin-Madison *Bachelor of Science, Bachelor of Arts* **Majors**: Applied Mathematics and Chinese Language **Certificates**: 4D/Multimedia Art and Computer Science GPA: 3.23	September 2013 - May 2017 Madison, Wisconsin
	Nankai University *Intensive Chinese Language Program* GPA: 4.0	May 2016 - August 2016 Tianjin, China

TECHNICAL SKILLS	
	Programming Skills: **SQL, Microsoft Access, Tableau:** -Construct live dashboards interfaced with mySQL data warehouse in Tableau for Health Company -Create operational web application for meal database manipulation and entry **Python:** -Hand-code quintessential machine learning algorithms: ridge regression, LASSO, ensemble decision tree classifier -Perform web scrape to build database of thousands of archived newspapers -Calculate tf-idf dictionary for transcripts of popular T.V. series to analyze and predict characters' vocabulary -Big data project experience using Python scientific stack (pandas, numpy, sklearn, matplotlib, etc.) **Excel:** Write advanced functions including vlookup, sumif, etc.; works with large data sets **Java:** -Construct decision trees for classification of image data and for AI chess player -Use feed-forward neural network for regression to predict Facebook post reach -Build naïve bayes classifier to predict genre of Shakespeare's plays **HTML5, CSS:** Knowledgable with some limited web application and webpage design including for my personal webpage, hosted on github: https://andrewvg23.github.io/ github with selected project work: https://github.com/AndrewVG23

WORK EXPERIENCE		
	University of Wisconsin Student-Athlete Tutor -Tutored and mentored student-athletes in Multivariate Calculus, Linear Algebra, Physics with many great outcomes -Served as a short-notice academic resource for student-athletes with demanding schedules	September 2016 - June 2017
	University of Wisconsin Summer Program Mentor -Led large groups of international students (30+) through program content. -Program content, developed by supervisor and me, included academic, social, field research events.	June 2017 - October 2017
	Private Tutor -Provides personalized lesson plans for students (Grade 5-College Senior) in topics in advanced Math. -Coached and participated on several state-competition-winning Math, Physics, and Science teams. -Has tutored dozens of students individually and coached hundreds of students in teams.	September 2009 - Present

OTHER RELEVANT SKILLS	
	Multimedia Skills: **Adobe Photoshop:** Logo and pamphlet design. Portrait touch up and surreal artwork. **Rhinoceros 3D:** Three dimensional designs based on schematics. Design detailed mechanical items. **Autodesk Maya**: Model, shade, rig and animate character with full walk-cycle in 1.5 minute high-definition video rendered in V-ray. (https://www.youtube.com/watch?v=oeB0tWCiMRY) -Script with Python/MEL to generate geometry for scenes -Advanced V-ray shading techniques **Mandarin Chinese:** Intermediate (HSK 4) Reading, writing, speaking