Fang (Clara) Cabrera

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EDUCATION

Sept 2017 - Dec 2019	**New York University: Courant Institute of Mathematical Sciences**	
New York, NY	*Masters in Computer Science*	*GPA: 3.815*

Summer 2017	**Stanford University CCRMA Workshops**
Stanford, CA	*Computer Research in Music and Acoustics*

Sept 2016 - May 2017	**Manhattan School of Music**
New York, NY	*Viola Studies under Karen Ritscher*

Sept 2013 - May 2015	**New York University: The Steinhardt School**	
New York, NY	*Masters of Music, Instrumental Performance (Violin and Viola)*	*GPA: 3.82*

Sept 2009 - June 2013	**Peking University**
Beijing, China	*Bachelor of Arts, Major in Chinese Language and Literature*

SAMPLE ACADEMIC PROJECTS

Machine Learning:	Application of ARIMA, RNN and LSTM to Foreign Exchange Rate Prediction (Spring 2019)
	Descriptive Modeling and Unsupervised Learning of Textual Data (Spring 2019)
Natural Language Processing:	Language Style Transfer from Sentences with Arbitrary Unknown Styles Using Fine-tuned BERT (Fall 2019)
GPU Programming:	Parallelizing Interior Point Method For Linear Programs on GPU (Fall 2019)
Big Data Analytics:	Twitter Keyword Extraction Using Java and HPC (Spring 2019)
	Loan Discrimination Analysis with HMDA Data Set Using Spark (Summer 2019)
Compiler Construction:	Parser From MiniC to ARM32 Implemented in HACS (Spring 2019)
System Programming:	Two-Pass Linker in C (Fall 2018)
	Scheduler Implemented with Discrete Event Simulation in C (Fall 2018)
	Virtual Memory Manager in C (Fall 2018)

RELEVANT COURSEWORK

Operating Systems | Programming Languages | Fundamental Algorithms | Big Data Science
Data Communications and Networks | Mathematical Tools for Computer Science
Machine Learning | Realtime Big Data Application | Compiler Construction
Statistical Natural Language Processing (Fall 2019) | Database System (Fall 2019) | Graphics Processing Units (Fall 2019)

SKILLS IN DEVELOPMENT

Java | SQL | NoSQL | OCaml | Lisp | C | Scala | Spark | Hadoop | Python | CUDA

DISTINCTIONS

2016	**Full Merit Scholarship Offers from Top Classical Music Schools**	
Various	Yale School of Music	Manhattan School of Music	New England Conservatory	
	London Guildhall School of Music and Drama	London Royal Academy of Music	

2015	**NYU Concerto Competition Winner**
New York, NY	Featured viola soloist in NYU Symphony Orchestra's annual concert

PERSONAL INTERESTS

Functional Programming | J-Drama | Philosophy | Sci-Fi | LotR | Investing | Cooking | Travel | Assassin's Creed