Xingmiao (Mia) Chen

+1 (650) 250 2515 // mia.chen@berkeley.edu // xingmiao.chen@polytechnique.edu

- Msc in Science in innovation and Entrepreneurship at Polytechnique & Berkeley
- Master in Engineering double major: Applied Mathematics and Industrial Engineering
- Bilingual in Chinese and French, fluent in English and Spanish, basics in Japanese.
- Strong analytical, innovative builder and a born entrepreneur

Education

2016 – 2018	**Polytechnique & Berkeley, Innovation Technology & Entrepreneurship,** *USA & France*
	Master of Science in Entrepreneurship at *Polytechnique & Berkeley*
	Major: Entrepreneurship, Lean startup // Minor: Data Science, Machine learning, Text analytics
2015 – 2016	**Mines ParisTech PSL, Applied Mathematics and industrial Engineering**, *Paris, France*
	2nd major in Supply Chain & Production- Key courses: Supply & Production, Data Analysis.
2013 – 2016	**Mines de Nancy, Applied Mathematics and industrial Engineering,** *Nancy*, *France*
	Master of Engineering in Applied Mathematics and Industrial Engineering. (CGPA: 3.7/4)
	Key courses: Numerical Analysis, Operation Research, Algorithm Programming, and Data Structure.
2011 – 2013	**CPP (classes préparatoires des INP),** *Grenoble, France*
	Bachelor's equivalent, Intensive Mathematics and Physics courses prior to the competitive entrance examination to prestigious engineering schools in France. (CGPA: 4/4)

Research project/internship

Sep 2016 - 2017	**University of Berkeley, Research project,** *Berkeley, USA*
	NLP & sentiment analysis to analyze professional emails for the law company Bredin Prat.
	Research Tutor: Laurent El Ghaoui (professor EECS & IEOR) - Libraries: word2vec (python)
June – Sep 2015	**University of Montreal, Research Internship,** *Montreal, Canada*
	Optimization of a linear program introducing stochastic variables for a dispatching system.
	Research Tutor: Michel Gamache - Language: VBA / Software: Excel, Arena, AMPL
Sep 2014 - 2015	**Mines de Nancy, Research project,** *Nancy, France*
	Multi-criteria data analysis & data mining to examine the relevance of Shanghai Ranking university.
	Research Tutor: Yves Guennifey - Software: JMP, Promothée Gaia, SAS

Professional/Internship Experience

July – Dec 2016	**Mines ParisTech Geo-statistic Laboratory, Front-end developper,** *Paris, France*
	Interactive visualization software of a node network developing under GTK & Networkx
Mar – July 2016	**L'Oreal, Project Analyst,** *Yichang, China*
	Study the feasibility of a 2 millions investment project of l'Oréal China's factory.
Mar. - Sep 2015	**WAIR, Technical Consultant/Temporary CTO,** *Paris, France*
	Build the strategy /application for a fashion antipollution connected scarf. (Fundraise 400000€)
May – July 2013	**AFP (Agence France Presse),** *Paris, France*
	Data collection for a SQL database and data processing with VBA-Excel.
Computer skills	**Language**: CSS, Python, JavaScript, HTML5, VBA, XML **Database**: SQL, MongoDB, Neo4J
	Software: Arena, AMPL, CPLEX, Mathematica, Matlab, pack Office // **Framework**: Meteor, Django

Entrepreneurship Experience

2016 – Jan 2017	**Co-Founder/CTO, Karma Club,** *San Francisco, USA*
	Volunteering platform aims to increase employee engagement. (Django platform development)
2014 – 2016	**Founder/CEO, MsM (My Smart Make-up),** *Paris, France*
	Application recommending personalized makeup tutorials through **facial detection** (Meteor)
2014 – 2015	**Founder/CEO, Bridge China – France,** *Nancy, France - China*
	Led a multicultural team from different countries for a fast transition after moving to China.
Sep 2013 - 2014	**Responsible of communication & marketing, ReS.O.S,** *Nancy*, France
	Bring homeless people back to the society through cardboard furniture workshop.
Sep 2013 – 2014	**Product Designer, Flying Manager,** *Mines de Nancy, France*
	Design the prototype of the mobile app "Flying manager", serious games aims to teach the management through the construction of an airplane. The app is available on French App Store.
Awards	3rd place Startup weekend Berkeley, 2nd place Startup Weekend Paris. 3rd National Enactus project …

Student union, NGO and tutoring

2013 - 2016	Tutoring in **mathematics** for high school and college students.
Volunteering	Volunteer in a homeless Shelter, Campus Leader Berkely of LeanIn, Ambassador of "Elles bougent"..

Interests and scholarship

2010 - 2016	**A 6-year scholarship** from French government &Bouygues foundation for my **academic excellence**.
Sports & music	**Flute** (8 years of practice), **Snowboarding** (8 years of practice), **Dance** (8 years of practice) …

References upon request

Mme Xingmiao CHEN
65, Bd Maréchal Joffre, Bât C6, 92360 BOURG-LA-REINE, FRANCE
+336 44 24 13 23
mia.chen@berkeley.edu // Xingmiao.chen@polytechnique.edu
Paris, 12th Jan 2017

Object: Statement of purpose for a research internship

Dear Mr and Mrs:

My Chinese name is Xingmiao and my French name is just Mia. I was born in China and spent the half of my life there then I moved to France for the other half. Currently I am doing my second Master of Science in Innovation & Entrepreneurship at Polytechnique & Berkeley. I had also a master of Engineering, double major from Ecole des mines in applied mathematics and industrial engineering. I am also bilingual in Chinese, French, fluent in English and Spanish and basics in Japanese.

During my semester in Berkeley, I took Entrepreneurship as major and Data Science and machine learning as minor and I was doing a research project in NLP with French Law Company. The subject was "display and visualize the graph network of lawyers and their customers in the Law Company". The idea is connect them through different things such as "project that they work on", "events that they encounter each other" or other type of connection. The project was extremely complicated to tackle as we lack of data, so we spent about a lot of time to scrap people's Linkedin and research on Bing. We used python for scrapping and word2vec for implementing information. I was in charge of literature of NLP, so I took couple courses in NLP on Coursera for the need of project. I failed in love with NLP and especially machine translation because of my passion with languages and mathematics. After returning back to Paris, I decided to stop this project as we do not manage to have enough relevant data on this project. There are another project on the same but using this time, data on Startup. I got data from another project and I used wor2Vec and NLP technical to treat them.

I also worked for 6 months as Full stack Python engineer for the Geo-statistic laboratory of Mines ParisTech. My mission was building software. This software should display Geo-statistic data through two display, node graph display and Gantt graph display. I used neo4J as database (node database) and Networkx to display node.

My previous experience makes me think that my skill will be relevant for the following project: **Analysis of the Weibo Social Graph** and **Heterogeneous Text-Graph Node Embedding and Applications.** I am particularly interested on the Weibo Social Graph project as my actual scientific project at Polytechnique is very similar, more Weibo is a social network that I know well as I am Chinese and I used it a lot for my personal time.

Anyway I am keen on working all type of project related to **languages and NLP** in general. I have already thought a bit about these projects and I would love to use my knowledge in mathematic and languages on these projects. Furthermore, I have already done some research project in Montreal, so I know well the method of research and I can put it in this project.

I think that my background in Applied Mathematics, languages and research will bring a lot to these projects.

Thank you a lot!