

# Yuan (Roxanne) Yin

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## EDUCATION

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### University of Michigan

Ann Arbor, MI

*Master of Science in Quantitative Finance and Risk Management, GPA: 3.66/4.0*

2017-Present

Course highlights: Financial Mathematics, Stochastic Process, Stochastic Analysis for Finance, Statistical Models and Methods for Financial Data, Time Series Analysis, Machine Learning

### Beijing Normal University

Beijing, China

*Bachelor of Mathematics and Applied Mathematics, GPA: 3.42/4.0*

2013-2017

Course Highlights: Mathematical Analysis, Advanced Algebra, Mathematical Modeling, C Programming, Real Analysis, Functional Analysis, Topology

### College of William&Mary

Williamsburg, VA

*Exchange student, GPA: 4.0/4.0*

Summer 2016

Course: International Finance/Open Economics

## PROFESSIONAL EXPERIENCE

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### Ross School of Business, University of Michigan

Ann Arbor, MI

*Research Assistant – Team Member of A.P. Maxim Sytch*

Jun. 2018 – Jul. 2018

- Research topic: *Social Network Structure Analysis on Team Resilience*
- Mined data of four-year Hocky game results in USA and team members' information online with scratch in R

### Benxi City Commercial Bank

Liaoning, China

*Manager Assistant – Intern*

Jul. 2017 – Aug. 2017

- Completed rotational position in accounting, credit, and financial market departments
- Authenticated checks and audited applications from clients with strict attention to detail
- Successfully negotiated return rates with clients using strong communication skills
- Performed data entry and opened checking accounts for clients

### Horizon Robotics

Beijing, China

*Data Specialist – Intern*

Jan. 2017 – Apr. 2017

- Mined traffic monitoring video data online; extracted static images from hundreds of videos; marked properties of pedestrian and vehicle to help training the machine to learn to classified by itself
- Managed and inspected the quality of tagged tasks for developing smart security monitoring network

### Department of Mathematics, Beijing Normal University

Beijing China

*Innovation & Entrepreneurship Program – Team Member of A.P. Jun Liu*

May. 2015 – May. 2016

- Research topic: *Image segmentation based on geodesic active contours model*
- Derived PDE to determine segmentation of 2D images; solved equations in MATLAB with iterative algorithm
- Demonstrated dynamic process of segmentation with MATLAB to recognize different shapes in images

## HONORS

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- National Computer Rank Examination (C-programming) , Outstanding Mar. 2016
- Mathematical Contest in Modeling of America (MCM), Honorable Mention Jan. 2016
- International Genetically Engineered Machine Competition (iGEM), Sliver Award Nov. 2015
- China Undergraduate Mathematical Contest in Modeling, 2nd Munciple Prize (Beijing) Oct. 2015

## SKILLS

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Programming Languages: MATLAB, EViews, C, R, Python, Excel, LaTeX, TensorFlow

Languages: English - Fluent; Mandarin - Native speaker