

# CAI, Zeyuan

## Education Background

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<b>Undergraduate: Lanzhou University</b>	09/2015-07/2019
<b>Major:</b> Mathematics and Applied Mathematics	<b>Rank:</b> 5%
<b>Core Courses:</b> <i>Mathematical Analysis, Advanced Algebra, Probability Theory, Differential geometry, Mathematical Statistics, Stochastic Process, Numerical Analysis, Real Analysis, Functional Analysis, etc.</i>	
<b>Summer Exchange: University of California, Los Angeles</b>	07/2018-09/2018
<b>GPA:</b> 4.0/4.0 <b>Major:</b> Statistics	
<b>Graduate: Georgia Tech</b>	08/2019-12/2019
<b>GPA:</b> 4.0/4.0 <b>Major:</b> Statistics in ISyE	
<b>Core Courses:</b> <i>Theoretical Statistics, Design of Experiment, Regression Analysis, Computational Statistics.</i>	

## Basic Research Experiences

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<b>Dimensionality Reduction and Application Based on Mutual Information</b>	08/2017-12/2017
<ul style="list-style-type: none"><li>Acknowledged the data processing and application of high-dimensional data, learned methods of pre-processing and reduction analysis on high-dimensional data;</li><li>Established relevant models, tested models with related data, analyzed their advantages, optimized algorithm.</li></ul>	
<b>The Differential Expressions of Logistic Growth Model</b>	05/2016-07/2016
<ul style="list-style-type: none"><li>Demonstrated the logistic law of Model of Preventing Increase in differential form by differential equation;</li><li>Wrote algorithms, discussed the equilibrium point and stability of the equation, conducted numerical modeling.</li></ul>	

## Internship Experiences

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<b>Seeiner Technology Co., Ltd, Hangzhou, China</b> <i>Assistant Analyst</i>	07/2018-08/2018
<ul style="list-style-type: none"><li>Analyzed and dig data, established models, conducted in-depth analysis based on customers' requirements;</li><li>Wrote analysis reports, found out the implicit questions, changes and influence;</li><li>Provided feasibility system solutions, cooperated with other teams to promote the research projects.</li></ul>	

## Competence

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<b>Main Awards</b>	Outstanding Graduates of Lanzhou University	2019
	First Class Scholarship	2017-2018
<b>Computer</b>	C++; Matlab; R; Python; LaTeX	