

CAI, Zeyuan

Education Background

Undergraduate: Lanzhou University	09/2015-07/2019	
Major: Mathematics and Applied Mathematics	GPA: 4.12/5.0	Rank: 5%
Core Courses: <i>Mathematical Analysis, Advanced Algebra, Probability Theory, Mathematical Modeling, Mathematical Statistics, Stochastic Process, Numerical Analysis, Real Analysis, Functional Analysis, etc.</i>		
Summer Exchange: University of California, Los Angeles	08/2018-09/2018	
GPA: 4.0/4.0	Major: Statistics	
Graduate: Georgia Tech	08/2019-12/2019	
Expected GPA: 4.0/4.0	Major: Statistics in ISyE	
Courses of Interest: <i>Theoretical Statistics, Stochastic Process, Simulation, Optimization, etc.</i>		

Basic Research Experiences

Dimensionality Reduction and Application Based on Mutual Information	08/2017-12/2017
<ul style="list-style-type: none">Acknowledged the data processing and application of high-dimensional data, learned methods of pre-processing and reduction analysis on high-dimensional data;Established relevant models, tested models with related data, analyzed their advantages, optimized algorithm.	
The Differential Expressions of Logistic Growth Model	05/2017-07/2017
<ul style="list-style-type: none">Demonstrated the logistic law of Model of Preventing Increase in differential form by differential equation;Wrote algorithms, discussed the equilibrium point and stability of the equation, conducted numerical modeling.	
C++ Implementation of Numerical Algorithm for Linear Equations	03/2016-06/2016
<ul style="list-style-type: none">Used C++ algorithm design function to program the Gaussian Elimination Method and Jacobi Iterative Method;Solved the linear system of equations, improved the algorithm, reduced the errors.	

Internship Experiences

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

Competence

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