

Jian Lu

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(443) 467-8413

EDUCATION

Williams College , Williamstown, MA	August 2015 - May 2019
Bachelor of Arts in Math <i>with honors</i> and Computer Science , May 2019, GPA- 3.45	
Perry Hall High School , Baltimore, MD	August 2011- June 2015
SAT Reading 710, SAT Math 770, SAT Math-II 780 ACT-34	

Relevant Courses

Taken: Introduction to Python, Data Structures, Computer Organization, Algorithms, Discrete Maths, Theory of Computation, Programming Languages, Operating Systems, Auto-Graders

EXPERIENCE

Oracle , <i>Software Engineer</i>	Jan 2020 – Present
<ul style="list-style-type: none">Working on the limits team	
J.P. Morgan & Chase , <i>Software Engineer</i>	July 2019 – December 2019
<ul style="list-style-type: none">Developing internal support tools in Java, GraphQL, and React.js tech stack	
Tortoise Investment Management , <i>Summer Analyst</i>	June 2018 – August 2018
<ul style="list-style-type: none">Researched the methodology and sustainability of ESG funds for clients wishing for socially responsible portfoliosAnalyzed client profiles and portfolios to develop their appropriate risk allocationsUtilized excel and bloomberg terminal to delve into different funds and their specific holdings and sector weightsLearned about asset allocation, behavioral finance, active vs. passive, equities / bondsImplemented a web-crawler to pull in fund expense ratios and global exposure ratios	
Vicious Syndicate , <i>Software Engineer</i>	March 2017 – April 2018
<ul style="list-style-type: none">Wrote functions to data mine large datasets and formatted data into dictionaries for easier data manipulationUsed Python, Javascript, Flask, HTML and SQL to create a website, data collector, and a databaseCreated the first mulligan simulator app, a tool for beginner to intermediate level players to practice the mulligan	
Spring Education Event- Jane Street , <i>Quantitative Trading Program</i>	April 2017 – May 2017
<ul style="list-style-type: none">Learned about general trading terminology, and got exposure to various market making strategiesObserved traders during opening hours on the trading floor to better understand their role within the firmImproved problem solving abilities through exercises in mental calculations, calculating probabilities and expected values, and game theoryUtilized Excel in a quantitative setting in order to predict Chevron stock prices based on Exxon prices	

ACTIVITIES

Discrete Math/ Introduction to Data Structures , <i>Teaching Assistant</i> , Williamstown, MA	August 2018 – Present
<ul style="list-style-type: none">Taught review sessions and held office hours for peers in need of assistance on course materials covering combinatorics, elementary number theory, discrete mathsRan lab classes and assisted helping other students understand computer science concepts, and taught fundamentals in data structures and to reason through and debug code	

PROJECTS

Infection , <i>Momath Hackathon 2018</i> , Javascript	
<ul style="list-style-type: none">Utilized an SDK provided by the National Museum of Mathematics to code a game for their touch screen floor	
Tropical Cryptography , <i>Tropical Geometry Final Project</i> , Python	
<ul style="list-style-type: none">Coded the classic encryption method using tropical linear algebra under the min/plus operations	
FracVisual , <i>Fractal Analysis</i> , RShiny	
<ul style="list-style-type: none">Created an app that takes in an iterated fractal system, and visually shows the birth of the fractal image	
F-Tropical , <i>Programming Language</i> , R- Package	
<ul style="list-style-type: none">Created a basic programming language that comprising of a parser and interpreter to graph tropical polynomial curves	

SKILLS

Language: Fluent in Cantonese, Proficient in Mandarin