Rosie Zou

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Education

University of Waterloo

Joint Honours Degree
B.CS + B.Math in Stats
Graduation: April 2019

Skills

Programming Languages

Python, SQL, C, VBScript, HTML, CSS, C#, R, C++

Libraries & Frameworks

numpy, scikit-learn, pandas, bootstrap, flask

Financial Markets

Extensive knowledge in North American dark & lit pool stock trading, order routing, and settlements for equities and options

Foreign Languages

Fluent Mandarin
Advanced French
Intermediate Japanese
Beginner Spanish

Communication

Business writing
Public speaking
Investor relations
Digital marketing

Relevant Courses

- Object-Oriented Software Development
- Mathematical Statistics
- Computer Simulation of Complex Systems
- Mathematics of Finance

Experience

Equity Trading Intern, TD Securities — Apr - Dec 2016

Improved growth strategies and business development
- Analyzed and visualized TD historic trades and order routing trends
- Researched various financial databases to copmile market reports
- Regularly conducted research and data analysis used for marketing
- Re-worked latency calculation script used for performance analysis

Optimized daily operations efficiency
- Automated and enhanced numerous daily reports and trade records
- Allocated over thirty institutional clients' high-volume trades every day
- Communicated regularly with clients to ensure timely trade clearing
- Coordinated with various teams to resolve trading technical issues

Associate Business Analyst, Scotiabank — Sep - Dec 2015

Assisted PM in compliance software migration project
- Performed daily QA and updated JIRA issue log for the team
- Tracked and examined project costs for resource misallocations
- Updated heat maps and configured access rights during UAT phase

Hackathon Projects

VisualTA, DubHacks — Oct 2016

C#, Python | API: Microsoft Cognitive Services | Back-end
HoloLens app for teachers to view real-time class feedback
- Designed and implemented algorithms for facial data analysis
- Won Best Data Visualization hack. More details at goo.gl/0qq1XB

STEMLabs, HackMIT — Sep 2016

C# | Engine: Unity | Front-end
HoloLens app for students to visualize algorithms in 3D
- Worked on the animation of the visualization of the DFS algorithm
- Placed in Top 10 overall. More details at goo.gl/MpRDpJ

Mortgage-Freeman, MLH Prime — Aug 2016

Python, JavaScript | API: Capital One | Back-end
Web App for customized mortgage plan recommendations
- Designed and implemented algorithms to calculate interest rates
- Runner-up for Capital One's API prize. More details at goo.gl/G7MW0t

WalletStreet, MHacks — Feb 2016

Python, JavaScript | API: Capital One, BlackRock | Back-end
Web App that caters investment advice based on user spendings
- Designed and implemented algorithms to predict spending patterns
- Won Capital One's API prize. More details at goo.gl/ULhh3o