

SHICHENG RAO

Duke University Computer Science Graduate || GPA: 3.91 || US Citizen
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Based in NYC

SKILLS AND PROFESSIONAL SUMMARY

- Programming: Java, TypeScript, MySQL, CQL
- Security tools: Postman, Burp
- Organizational: Git, Jira, Pagerduty
- SRE: AWS, Terraform, Kubernetes, Linux, Teleport, Grafana, Datadog
- DBs: Cassandra, Elasticsearch, Postgres, Kafka

WORKING EXPERIENCE

1) Product Reliability Engineer at Palantir (July 2022-Current)

- Set and maintained proper configuration and scaling for hundreds of production databases
- Migrated all monitoring and metric setups for the team from Datadog to Grafana, gave talks to help the company as a whole migrate.
- Built and updated custom paging handler to direct pages for dozens of intents to the correct team.
- Spearheaded migration to containerized Kafka
- Updated over 900 hosts from CentOS7 to RHEL8

2) Product Reliability Engineer at Appdynamics (March 2021- July 2022)

- Triaged, investigated, and mitigated hundreds of production issues.
- Found, analyzed, and fixed multiple high risk security vulnerabilities, earning a Cisco Blue Belt
- Made the team's first organized runbooks with over 20 detailed guides for common issues.
- Onboarded and mentored four new team members.

3) Trading Analyst at 4170 Trading (July 2020- February 2021)

- Managed external relationships with brokers and FCMs, onboarding new business relationships.
- Reported operational figures including margins, P&L, positions, and financing costs
- Optimized firm spending and fees, saving thousands of dollars.
- Recruiter and interviewer for multiple colleges, interviewed around 100 candidates.

4) Trader Intern at Five Rings (Summer 2019)

- Nine-week internship at Five Rings Capital LLC.
- Developed potential trading strategies based on market data analysis
- Calculated various markers of effectiveness of the strategies, e.g. Sharpe ratio.
- Did mock open-outcry trading and simulated digital trading

5) Engineer Intern at Tianjin Academy for Intelligent Recognition Technologies (July 2017-August 2017)

- Learned Tensorflow and Caffe Machine Learning Networks
- Programmed multiple convolutional neural networks in Python
- Big data analysis

COMPETITIONS AND AWARDS

- Three years of making Putnam's Winners List, top 3 at Duke. USAMO qualifier.
- Placed 2nd in Citadel's Terminal competition at Duke, winning 5,500 USD as a team of three.
- Participated in 3 rounds of Google Code Jam 2020, placed top 3,000 out of over 44,000 initial participants
- Won Jane Street's Estimation