Shuo Cheng

✉ : shuochng@gmail.com in : /in/ShuoCh ☎ : (646) 625 8175 ⌂ : riv

EDUCATION

Cornell University '16
B.S., Computer Science

Stuyvesant H.S '12

EXPERIENCE

Enigma New York, NY   Nov. '17 - curr.
(Backend + Systems Engineer - Team 2)

- Architected, developed and deployed data pipeline application to on-premise environments while maintaining the opaque incumbent system to be replaced.
- The data pipeline receives client requests via a Flask service queuing up tasks for an Airflow task orchestrator instance.
- Airflow runs direct acyclic graphs of tasks spinning up a mixture of Python, Docker and Scala processes to do the main computational work.
- Monitoring is done using Prometheus as the metrics aggregator with a Grafana frontend.
- Logging and alerting is handled with Elasticsearch, Logstash and Kibana.
- Replaced complex and custom Bash script based deployment model with Ansible.
- Triaged and solved a wide array of networking, storage, and distributed systems issues on the incumbent system using common command line tools.

(Frontend Engineer - Team 1)

- Built anti-money laundering case management UI for financial compliance teams using React, Redux, CSS-modules.
- Built user authentication and authorization Express.js service integrating with client's Active Directory single sign-on using Cloudfoundry UAA.

Costudio Brooklyn, NY   Aug. '17 - Nov. '17
(Full-stack Engineer)

- Developed an end to end event booking platform with response web design built using React, Redux, Glamour on the frontend with several backend Node.js servers queriable via an Apollo GraphQL API.

Yorango Ithaca, NY   Sep. '16 - April '17
(Full-stack Engineer + PM)

- Yorango provides small business rental property management software.
- Refactored static Django pages into a React single page application.
- Lead standups and sprint planning.
- Created onboarding procedure for new hires.
- Managed landlord relationships in Ithaca, NY.
- Developed company resources demo videos, customer onboarding documentation, user guides.

Microsoft Redmond, WA   June '16 - Aug. '16
(Software Developer Intern - Tools for Software Engineers)

- Built data pipeline continuously funneling terabytes of Github metadata on public repositories into internal analytics platform on developer effectiveness.
- Built on Azure datalake and Azure Datafactory.

PROJECTS

- Cheng, Shuhua, Giorgio Inghirami, Shuo Cheng, and Wayne Tam. **"Simple deep sequencing-based post-remission MRD surveillance predicts clinical relapse in B-ALL."** Journal of hematology & oncology 11, no. 1 (2018): 105.