Brian Luk

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WORK EXPERIENCE

Voyager, New York, NY
Software Engineer   Mar 2019 – present
● Build mobile UI test framework for iOS product, reducing manual regression testing by 70%
● Integrate UI test framework into continuous integration platform, streamlining test and build process
● Implement integration tests for the Node.js backend server using the Jest testing framework

TradeIt, New York, NY
Software Engineer   Mar 2017 – Dec 2018
● Led successful integration project with core partner – Fidelity
● Implemented broker API into backend system, and deliver it as part of TradeIt's core API product
● Designed and implemented internal tool that automates operation process
● Developed TradeIt's first payment system
● Implemented client-side company support sites, and integrated with company's Developer Portal
● Monitored Unix production systems and triage issues then worked with the engineering team to
   plan and implement solutions
● Worked closely with business team to provide feedbacks for brokers on their APIs' robustness and issues

TradeIt, New York, NY
Software Engineer Intern   Jun 2016 – Mar 2017
● Implemented solutions for production issues and bugs
● Implemented changes and built new content to the company website
● Contributed to writing the E2E tests

Dr. Klausen's Lab: The Western Jihadist Project, Waltham, MA
Faculty Network Analyst & Research Assistant   May 2015 – May 2016
● Conduct data extraction using PostgreSQL, and Java (Apache POI library)
● Performed data, network analysis and visualization using ORA, R, Stata and Excel

SWISS International Asset Management, Hong Kong
Service Consultant Intern   Jun – Aug 2014
● Assisted on compliance issues such as licensing and reporting
● Conducted several research projects on bond and equity markets
● Created and managed company's social media accounts

Hui's Brother Financial Group, Hong Kong
Risk Management Intern   Jun – Aug 2013
● Assisted on risk evaluation on clients' loan requests
● Reviewed the risk control manual

RELEVANT SKILLS

Soft Skills:
● Good listener, Team Player, Strong Work Ethic, Detail-oriented
Technologies:
● Java, Groovy, Node, Python, Jenkins, Docker, Linux, MacOS, Mysql, Redis, Pivotal Tracker, Jira, Zendesk

EDUCATION

Certification:
● Coursera *Machine Learning* by Stanford University
● *Linear Algebra*: Mathematics for Machine Learning by Imperial College London
● Udacity *Data Analyst* Nanodegree
● Coursera *Calculus Single Variable* by University of Pennsylvania
● *Advanced Calculus with Financial Engineering Applications* at the Pre-MFE program at Baruch College (Jan. – Mar. 2020)
● *Probability Theory for Financial Application* at the Pre-MFE program at Baruch College (Jan. – Mar. 2020)
Programming Experience: Java, Python, SQL, Bash, Jenkins, Pandas, Numpy, Matplotlib, Seaborn
Languages: Fluent in English, Cantonese and Mandarin Chinese

Brandeis University, Waltham, MA   GPA 3.2
Bachelor of Arts in Computer Science and Political Science   May 2016