

# Jacky Ng



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## Education

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### Georgia Tech

Expected Graduation Date: Dec 2023

Master of Science: Computer Science (Machine Learning)

### App Academy

Feb 2017 – May 2017

Full Stack Development OOP course with <3% acceptance rate 1000+ hour rigorous curriculum of TDD, REST, security, and web dev.

### New York University

Sept 2012 – Sept 2016

Bachelor of Science: Chemistry

Minor: Computer Science and Mathematics

## Experience

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### Salido (acquired by North American Bancard) – New York, NY

*Software Engineer, Platform – Dept eliminated due to covid*

Aug. 2018 – May 2020

Developed features and ensured data integrity through validations and fixes for data reports, leading to 100% of correct data exports to clients using React, RoR, MongoDB, and Firebase while leveraging monitoring tools such as Sentry and Datapipes

Led first response team in identifying major data issues affecting clients' daily operations, identifying fixes or temporary workarounds

Bug fixes as well as developed features for platform UI with HAML, Ruby, jQuery, and React

### Nielsen - New York, NY

*Software Engineer, Infrastructure & Technical Operations*

Nov. 2017 – Aug. 2018

Automated AWS security group change alerts that utilized AWS lambda functions and AWS SNS through Terraform to allow updates to multiple AWS regions

Took ownership of the incoming data streaming system which utilized Python, AWS lambdas, EC2 instances, EMR clusters, and S3, with 400+ clients, preventing outage and ensuring proper data delivery of 30 servers transferring 100,000 Mbps, as well as doing rollouts to AWS AP and AWS EU regions

Managed S3 instances and reduced costs by \$6000 a month

Created a new data streaming pipeline through Python and Scala, consisting of Apache Flume, Flink, and Kafka for fault tolerant data delivery with throughput of thousands of files per minute, reducing 100% script restart rate to 0% failed sent requests

### Outernets - New York, NY

*Software Engineer*

June 2016 – Oct. 2016

Created an interactive visual display of a client's product using Unity 5 and MonoDevelop, leading to funding from McDonalds as the first major client, and team collaboration from Samsung

Utilized ThreeJS, Unity, HTML5, and CSS to determine the most cost efficient and useful method of producing easily exportable and user-friendly apps

## Additional Information

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Languages: English (Native), Chinese (Cantonese-Native)

Skills: Ruby, React, JavaScript, SQL, Redux, Java, C#, HTML/CSS/SCSS, Python, AWS(SNS, EC2, SQS, Lambda, S3, CloudWatch, EMR, Data Pipeline)