Takezo Johnson

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Education

Northeastern University | **B.Sc. in Computer Engineering** — Boston, MA
GPA: 3.36/4.0 — *Dec 2020*
Honors: Dean's List, Ujima Global Leader (Merit Scholarship), Japanese Student Association (President)

Skills

Software Engineering: Python, Java, C++, Scala
Tools/Technologies: Git, Linux/Unix, AWS, Tensorflow, Keras, Kanban, Jira

Work Experience

JP Morgan — Chicago, IL
Software Engineer — *July 2021 - Present*
- Developing a configurable application using Java, Spring, Angular, Drools, and GraphQL to facilitate the loan booking process for commercial banking
- Work closely with product leads to assess sprint needs and fix production defects
- Implemented new logic to change the workflow process of booking loans and created an endpoint to fix an error affecting loans in production

Amazon — Seattle, WA (remote)
SDE Intern — *May 2020 - July 2020*
- Migrated a machine learning system to Native AWS and modularized pipeline to improve efficiency and flexibility
- Used CloudFormation's infrastructure-as-code to create Glue Crawlers and Jobs in Scala to get and preprocess data from S3 to feed into machine learning models
- Wrote metrics to CloudWatch and setup a dashboard to display key statistics

Goldman Sachs — New York, NY
Engineering Analyst Intern — *Jan 2020 - April 2020*
- Built a machine learning model using TensorFlow to predict expected durations of background tasks on trading risk platform
- Performed data analysis to build and test models and automated retraining cycle to gather new data from ElasticSearch and update the model being used in production
- Created a Flask REST service that runs the model and leveraged Vert.x to get predictions from Java codebase to display results on Risk Status Page

SAP — Walldorf, Germany
Software Engineering Intern — *May 2019 - Aug 2019*
- Implemented a mountable encryption layer using AES-GCM algorithm in Go for a file system driver in Linux user space
- Researched encryption algorithms and learned Go quickly by reviewing existing code and testing ideas
- Collaborated with team to test and ensure compatibility of encryption with compression mount across cloud platforms

Projects

Facial Recognition Smart Door
- Led a team to plan, code, and present finished smart home app in under 24 hours for BostonHacks
- Programmed an app which implements cascade classifier in Python using OpenCV to open a door using facial recognition
- Incorporated Twilio API to send customized mobile alerts depending on successful or failed unlock attempt

Languages & Interests

Languages: English (Native), Japanese (Native), German (Intermediate)
Interests: Scifi, Investing/Trading, Photography, Skateboarding, Travel