Christopher Pang

hello@christopherpang.ca | (647) 963-3155 | Toronto, Canada
Portfolio: www.christopherpang.ca | LinkedIn: www.linkedin.com/in/chrispang

WORK EXPERIENCE

Data Engineer | Quincus AI   Oct 2023 – Present
- Led architecture and deployment of new AWS data lake platform for AI Research team using Airflow, PySpark, Glue Catalog, Athena, dbt, and Iceberg tables, incorporating incremental data layers pattern and robust CI/CD processes
- Migrated legacy GCP data pipelines and onboarded new supply chain data sets for logistics networks and client shipments

Senior Data Engineer | Properly Homes   Feb 2022 – Oct 2023
- Deployed feature enrichment and prediction pipelines to batch generate pricing estimates for 2M+ Canadian properties, collaborating with data scientists to deliver a strategic ML product: Properly Instant Estimates
- Streamlined primary RETS ingestion pipelines while mentoring product engineering teams to process new data sets for internal development needs including benchmark pricing, market trends, open house dates and agent availability schedules
- Orchestrated critical Airflow infrastructure upgrades, enabling migration path to using Kubernetes cluster for executing 500+ tasks, resulting in significant processing time and SLA adherence improvements across data pipelines org-wide

Senior Data Engineer | Validere Technologies   May 2021 – Jan 2022
- Automated real-time client data ingestion within a Lambda-based data lake processing platform for oil and gas quality
- Improved delivery of digital twin predictive ML solutions by deploying model versioning and re-calibration infrastructure
- Introduced Airflow to organization for improved oversight of 100+ replication tasks supporting OmniSci data warehouse

Co-Founder | Leafi Home   Sep 2019 – Apr 2021
- Embarked on an entrepreneurial leap, leading product, software, and data efforts at a smart home hardware start-up
- Launched IoT cloud and mobile platform on AWS and recruited 1K+ prospects supporting entry into UBC venture incubator

Senior Software Engineer | Philips North America   Sep 2015 – Aug 2019
- Led analytics and UI design as engineering hire #3 at healthcare start-up Blue Willow Systems, acquired by Philips in 2018
- Architected company's 1st analytics platform for processing over 20M wearable IoT beacons daily using Redshift and Kinesis
- Built 1st production mobile and web apps, co-inventing patented features that enabled B2B revenue launch in under a year

Analytics Application Developer | Bayleaf Software   Nov 2012 – Apr 2014
Business Intelligence Developer | Creation Technologies   Apr 2007 – Oct 2012

EDUCATION

Master of Management, Operations Research, University of British Columbia   May 2016
Bachelor of Applied Science, Computer Engineering, University of British Columbia   Nov 2009
Bachelor of Arts, Economics, University of British Columbia   Nov 2009

PATENTS

- US 10741042, Method for tracking and reacting to events in an assisted living facility   Aug 2020
- US 10726699, Method for defining access perimeters and handling perimeter breach events   Jul 2020

TECHNICAL SKILLS & CERTIFICATIONS

- Data Engineering: Python, SQL, Airflow, Spark, dbt, Kinesis, Athena, Postgres, Redshift, Terraform, Docker
- App Development: JavaScript, TypeScript, React, Angular, Streamlit, Node.js, Flask, HTML/CSS
- Certifications: AWS Certified Solutions Architect – Associate, Google Cloud Certified Professional Data Engineer

INTERESTS

- Tennis, badminton, curling, snowboarding, DIY home renovations, geospatial data visualizations