Franco Charette

FrancoCharette@outlook.com | 604-812-3942
https://github.com/Franco-yvr | FrancoCharette.com
https://www.linkedin.com/in/charettefranco

- ⯈ **Profile:** Graduating UBC Computer Science Bachelor Student and Commerce Graduate
- ⯈ **Objective:** Back-end software developer role in machine learning, data science and data mining

TECHNICAL PROJECTS – many more at FrancoCharette.com

MailIt (AWS Lambda, SNS, DynamoDB, S3, SES, API Gateway, Amplify, Cognito, CloudWatch, IAM)   Jan-Apr. 2021
- Developed async data processing algorithm in AWS Lambda while managing HSBC client relationships
- Programmed efficient query strategies in Lambda for AWS DynamoDB and designed user access on API Gateway

DermAssist (TensorFlow, Keras, PyTorch, ScikitLearn, Scipy, OpenCV, Numpy, Pandas, Kaggle)   Sept.-Dec. 2020
- Developed multinomial logistic regression classifier by slicing last layer of neural network trained on Resnet50
- Prepared data, cross-validation, metric analysis and visuals - https://www.kaggle.com/frankensteinyvr/dermassist

Televet (MongoDB, Express, React, Node.js, Redux, JSX, Javascript, HTML, CSS, Postman, Heroku)   May-Aug. 2020
- Programmed React front-end and RESTful API for tele-medicine application hosted at https://tele-vet.herokuapp.com
- Designed application flow map, built wireframes, recorded tutorial videos and programmed HTML/CSS/JS website

InsightUBC (JavaScript, TypeScript, Node.js, Mocha, Chai, HTML, CSS, GitHub, Postman)   Jan.-Apr. 2020
- Developed test automation suite using Mocha framework for asynchronous Javascript and Chai-http for Web server
- Developed async server backend using promises, persistence and error handling, then built access via RESTful API

Rogers 5G Challenge hackathon - 3rd place - (TensorFlow, Docker, Kubernetes, MobileEdgeX API)   Oct. 2019
- Programmed real-time shoplifting machine vision monitoring application using edge computing on 5G network

Blockchain@UBC 2019 blockathon - 2nd place - (IBM Hyperledger Fabric, Javascript, Node.js)   June 2019
- Designed energy auction platform for BCHydro to incentivize electric car charging during off-peak hours

EDUCATION

University of British-Columbia, Vancouver, BC   Graduation December 2021
Bachelor of Computer Science, *Machine Learning stream*
- Involvements: Blockchain@UBC Research & Institute, e@UBC startup accelerator
- Learned: C++, C, Python, Pickle, PyCharm, Jupyter, Colab, Mask-RCNN, Motoko Smart Contract, Matplotlib

University of British-Columbia, Vancouver, BC   Sept. 2014-May 2018
Bachelor of Commerce, *Entrepreneurship stream*
- Involvements: Sauder Philanthropy Program, Strategy Consulting Mentorship Program(SCMP)
- Learned: Economics and Finance of Entrepreneurship, New Product Development, Corporate Law

WORK EXPERIENCE

Supply Network, Vancouver, BC   June-Dec. 2019
Co-founder (Java, Javascript, HTML, CSS, Amazon S3, balsamic, IBM GaianDB data federation)
- Designed a vendor management software by balancing client's engineering requirements, user stories and budget
- Contacted ~150 Can/US companies, secured purchase intent letters and built corporate website

Qulliq Energy Corporation, Iqaluit, NU   Oct. 2010-Apr. 2012
Equipment Technician assigned to 13 power plants throughout Nunavut
- Maintained 99.8% power reliability by helping team beyond expected hours, phone troubleshooting and fly-ins
- Prevented blackout for 1600 residents by proactively investigating a data anomaly and solving the problem overnight

Komatsu America Corp., Fort McMurray, AB   Sep. 2008-Sep. 2010
Equipment Technician assigned to 12 mine sites throughout Western Canada
- Trained clients' employees on procedures, advised process improvements and communicated across several teams
- Saved one client $64K in revenue loss by digitally troubleshooting unexpected mining truck shutdown

COMMUNITY

Vancouver Point-Grey Constituency Association, Vancouver, BC   Jan. 2015-Jan. 2017
Finance Officer
- Managed $250K budget in line with provincial regulations to elect BC Attorney General David Eby
- Analyzed datasets from Statistics Canada and NationBuilder using data analytics software Populous