

# Franco Charette

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» **Profile:** Graduating UBC Computer Science Bachelor Student and Commerce Graduate

» **Objective:** Software Developer

## TECHNICAL PROJECTS

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**Televet** (MongoDB, Express, React, Node.js, Redux, JSX, Javascript, HTML, CSS, Postman, Heroku) May-Aug. 2020

- Programmed React front-end and RESTful API of tele-veterinarian 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, HTML, GitHub, Node.js, Mocha, Chai) 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 - (Python, TensorFlow, Docker, Kubernetes, MobileEdgeX API) Oct. 2019

- Designed real-time shoplifting monitoring using machine vision and edge computing on 5G network
- Adapted machine vision algorithm found on DockerHub and dockerised our own application to run on 5G server-side

**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
- Adapted smart contract and consensus process from Hyperledger Fabric boilerplate code to our own application

## EDUCATION

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University of British-Columbia, Vancouver, BC

Expected graduation: May 2021

**Bachelor of Computer Science, Machine Learning stream**

- Involvements: Blockchain@UBC Research & Institute, e@UBC startup accelerator
- Learned: Java, C++, C, Python, PyTorch, PyCharm, Jupyter, scikit-learn, pandas, numpy, 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

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**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

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**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

**Langara Toastmasters International**, Vancouver, BC

Sep. 2012-Dec. 2017

*Founder and President*

- Set-up organization and empowered 25 mentees to face their fears of public speaking in a supportive environment
- Earned Advanced Communicator level in Toastmasters and delivered 150+ public speeches in English and French