Jaclyn **Chan**

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Education

University of Waterloo — Waterloo, Canada
Candidate for Bachelor of Computing Financial Management — *Sep 2019 - Present*
Computer Science and Finance – President's Scholarship of Distinction – Dean's Honors List – GPA: 3.90

Experiences

CPP Investments — Toronto, Canada
Junior Python Engineering Intern Analyst, Quantitative Strategy and Risk Premia — *Jun 2020 - Aug 2020*
- Implemented statistical analytics tools for factor investing portfolios using **SQL** and **Pandas** within quantitative equity team
- Refactored data validation codebase, improving tuning accuracy and optimizing analysis for 88.9% of incoming datasets
- Prototyped ML models and used **MLFlow** to analyze machine learning workflow from development to production
- M&A case competition finalist, worked with team of 7 to analyze an emerging markets investment opportunity for 7 weeks

nuTonomy — Singapore
Robotics Engineer Intern, Embedded Systems — *Jun 2018 - Aug 2018*
- Implemented bandwidth data analysis systems with **Python** and packaged analysis programs using **Docker**
- Programmed hardware with **C** and used **Fusion 360** to design protective cases for voltage regulators
- Designed a visual monitoring system with **OpenCV** and **Raspberry Pi** to allow remote surveillance of HIL-bench

Leadership

Tech+ — Waterloo, Canada
Project Organizer — *Aug 2020 - Present*
- Fostered an inclusive and diverse tech community by leading weekly social, networking and informational sessions
- Organized mentorship program with **108+** mentor<>mentee pairs and cultivated a community with **160+** active members

FIRST Robotics (Singapore American School) — Singapore
Team Captain, Youth Mentor, Project Manager — *Aug 2014 - Jun 2018*
- Programmed hardware with **Java**, engineered the electrical system, and constructed 125 lb. robots to compete internationally
- Managed **cross-functional** sub-teams, facilitated **logistics** and led outreach, tripling team from **10 to 30+ members**
- Awarded Excellence in Robotics Award, Senior Technology Award, PTA Scholar Award for contributions to robotics

TEDxYouth@SAS (Singapore American School) — Singapore
Executive Producer/Lead Organizer — *Jan 2015 - Jun 2018*
- Led **30+ member** team to produce main stage event, managing speaker curation, technical theater coordination and rehearsal logistics for events with **100+ guests.** Collaborated with finance team to manage budgets of **$25k+**
- Managed event logistics (2015) and was selected to attend TEDFest 2018, an official TED conference in NYC

Project

Spacelab – International Space Station via SpaceX Falcon 9 — Singapore
Software and Electrical Lead, Founding Member, Mentor — *Launched on the SpaceX Falcon 9 - Jun 4, 2017*
- Research Topic: The Effect of Melanin Production on the Growth of Escherichia coli Bacterium in Space
- First team in Southeast Asia to win **SGD$60k** grant to launch biology experiment sent to the **International Space Station**
- Specialized in software and electrical systems including **Printed Circuit Board** design, **CAD** and sensor programming
- Implemented a **data capturing system** with **PBASIC** and conceptualized the infrastructure of the micro lab

Extracurriculars

Women in Finance at UW, Assisted with public outreach and growth by building the social media strategy.
Performing Arts, 12+ years of dance training. UW AcaBellas (A Cappella - Choreography Lead). UW Cheerleading Team.
Fashion for Change, Model and Event Manager. Organized events with 250+ guests and rehearsed weekly for charity show.
Dance/Yoga Instructor, 3+ years of dance teaching and choreography. Certified 200-hr Tirisula Yoga Teacher.

Skills

Languages: Java, C/C++, Python, Scheme, Bash, SQL, HTML/CSS, Arduino, RobotC, Javascript
Tools: Git, Jira, Pandas, Linux, Excel, Docker, MLFlow