

# Jaclyn Chan

Computer Science and Finance student seeking opportunities in software engineering and product management

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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

### Singapore American School

Singapore

#### High School Diploma

Graduated 2018

Summa Cum Laude – PTA Scholar Award, Technology Senior Award, Excellence in Robotics Award

## Skills

**Languages:** Java, C/C++, Python, Scheme, Bash, SQL, HTML/CSS, Arduino, RobotC, Javascript

**Experienced with:** Git, Jira, Pandas, Linux, Excel, Docker, MLFlow

## Experience

### 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
- Created prototype 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

### FIRST Robotics

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**

## Projects

### Spacelab@SAS – 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
- Responsible for implementing a **data capturing system** with **PBASIC** and conceptualized the infrastructure of the micro lab

## Leadership

### TEDxYouth@SAS

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+**
- Event managed (2015) and was selected to attend TEDFest 2018, an official TED conference in NYC

## Extracurriculars

**Tech+ Project Organizer**, Fostering mentorship in tech by managing 66+ mentor, mentee pairs and organizing outreach.

**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.