

# JACLYN CHAN

Computer Science and Finance student interested in software engineering, fintech and product management

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straightupjac.github.io

jaclyndchan

straightupjac

## TECHNICAL EXPERIENCE

### CPP Investments

#### Junior Python Engineering Intern Analyst (Quantitative Strategy and Risk Premia)

June 2020 – August 2020

Toronto, Canada

- Working with the Quantitative Strategies Portfolio Engineering team to build out internal research analytics and platform migration tools and other critical tools

### nuTonomy (Aptiv)

#### Robotics Engineer Intern (Embedded Systems)

June 2018 – August 2018

Singapore

- Used **Python** to implement a bandwidth data analysis system for sensor communications
- Packaged data analysis programs with **Docker**
- Executed hardware programming with **C**
- Used **Autodesk Inventor** and **Fusion 360** to design protective cases for voltage regulators

### FIRST Robotics Team 4817

#### Team Captain and Youth Mentor

August 2014 – June 2018

Singapore

- Utilized **Java** in hardware programming, designed the electrical system, harnessed **CAD** to design, and was extensively involved in fabrication
- Managed **cross-functional** sub-teams and lead public outreach campaigns
- Expanded the team from **10 to 30+** members during my leadership

## TECHNICAL PROJECTS

### SpaceLab@SAS

#### Software and Electrical Lead, Founding Member, Mentor

SpaceX Falcon 9 Launch on June 4, 2017

Singapore

- Designed the hardware, electrical and software components of a biology experiment sent to the **International Space Station**
- Specialized in programming and electrical systems including **PCB** design, **CAD** and sensor programming
- Designed **data capturing systems** and infrastructure of the microlab

### PearShare

#### Angelhack Singapore 2018 – Code for a Cause Impact Winner

- An innovative digital marketplace to reduce food waste and help those in need
- Worked in backend development with **django** rest framework and assisted with frontend in **react.js** (pearshare.github.io)

## OTHER EXPERIENCE

### TEDxYouth@SAS

#### Executive Producer/Lead Organizer

January 2015 - June 2018

Singapore

- Motivated** and mobilized a team of **30+** members to create four events with **100+** guests
- Facilitated event logistics by liaising with third-party caterers and sponsors
- Collaborated with finance team to manage operating budgets of **\$25,000+**
- Developed strong **project management** and communication skills
- Attended **TEDFest**, an official TED conference, in New York (April 2018)

## EDUCATION

### University of Waterloo

#### Bachelor of Computing Financial Management (Co-op)

Sep 2019 - Present

GPA: 89/100

Dean's Honours List

### Singapore American School

#### High School Diploma

Graduated 2018

Summa Cum Laude (GPA:4.43)

## TECHNICAL SKILLS

### Proficient

C/++

Java

Python

Racket

Bash

Git

Linux

Excel

### Experienced

Javascript

Arduino/RobotC

HTML/CSS

Docker

Jira

## AWARDS



**University of Waterloo**  
President's Scholarship  
of Distinction



**Singapore American School**  
PTA Scholar Award,  
Technology Senior  
Award, Excellence in  
Robotics Award



**Girl Scouts Gold Award**

## ACTIVITIES

### Fashion for Change

Model and Event Manager

### Women in Finance at UW

Founding Member – growth  
and public outreach

### Dance and Theater

12+ years of dance training  
3+ years in teaching and chore-  
ography  
2+ years in musical theater  
and a cappella

### Yoga Instructor

200-hr Tirisula Yoga Teacher