

Jaclyn Chan

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

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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

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

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.