Jaclyn **Chan**

Computer Science and Finance student seeking opportunities in software engineering and financial technology

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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

Education

University of Waterloo
Candidate for Bachelor of Computing Financial Management

Waterloo, Canada
Sep 2019 - Present

Computer Science and Finance – President's Scholarship of Distinction – Dean's Honors List - GPA: 3.90

Singapore American School
High School Diploma

Singapore
Graduated 2018

Summa Cum Laude – GPA 4.43 – PTA Scholar Award, Technology Senior Award, Excellence in Robotics Award

Experience

CPP Investments
Junior Python Engineering Intern Analyst, Quantitative Strategy and Risk Premia

Toronto, Canada
Jun 2020 - Aug 2020

- Implemented statistical analytics tools for factor investing portfolios using **SQL** and **Pandas** within quantitative equity team
- Created prototype ML models and used **MLFlow** to analyze machine learning workflow from development to production
- Collaborated with a team of 7 to perform a M&A case study in emerging markets for an internal case competition

nuTonomy
Robotics Engineer Intern, Embedded Systems

Singapore
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
Team Captain, Youth Mentor, Project Manager

Singapore
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 to **30+ members**

Projects

Spacelab@SAS – International Space Station via SpaceX Falcon 9
Software and Electrical Lead, Founding Member, Mentor

Singapore
Launched on the SpaceX Falcon 9 - Jun 4, 2017

- 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
Executive Producer/Lead Organizer

Singapore
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

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.