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

Education

University of Waterloo (UW), Faculty of Math   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 – GPA 4.43 – PTA Scholar Award, Technology Senior Award, Excellence in Robotics Award

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
• Collaborated with a team of six to perform a M&A case study in emerging markets for an internal case competition

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, expanding from **10 to 30+ members**

Projects

Spacelab@SAS   Singapore
Software and Electrical Lead, Founding Member, Mentor   *Launched on the SpaceX Falcon 9 – Jun 4, 2017*
• Collaborated with a team of six to design and implement a biology experiment sent to the **International Space Station**
• Successfully granted **SGD$60k** to be the first student group in Southeast Asia to send an experiment to space
• 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*
• Produced events with **100+ guests** by leading a team of **30+ members.** Oversaw main-stage production including speaker curation, technical theater coordination and rehearsal logistics. Collaborated with finance team to manage budgets of **$25k+**
• Event managed (2015) entertainment and dining and was selected to attend TEDFest 2018, an official TED conference in NYC

Extracurriculars

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.
Women in Finance at UW, Assisted with public outreach and growth by building the social media strategy.