Jaclyn **Chan**

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Skills

Programming Languages: Python, Java, C, C++, Scala, Scheme, Bash, SQL, R, Arduino, RobotC, Javascript
Creative: Figma, Data Analytics, HTML/CSS, CAD, Digital Media, Video Editing, Campaign Management, Choreography
Tools: Git, Jira, Pandas, Linux, Excel, Docker, MLFlow

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 – WiCS GHC Scholar 2020 – Dean's Honors List – 3.9

Experiences

CPP Investments   Toronto, Canada
Junior Python Engineering Intern Analyst, Quantitative Strategies 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
- Prototyped ML models and used MLFlow to analyze machine learning workflow from development to production
- Analyzed an emerging markets investment opportunity for M&A case competition over 7 weeks (finalist out of 10 teams)

nuTonomy (Aptiv)   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

Leadership

Tech+   Waterloo, Canada
Project Organizer   *Aug 2020 - Present*
- Fostered an inclusive and diverse tech community by leading weekly social, networking and informational sessions
- Organized mentorship program with 108+ mentor<>mentee pairs and cultivated a community with 300+ active members

FIRST Robotics (Singapore American School)   Singapore
Team Captain, Youth Mentor, Project Manager   *Aug 2014 - Jun 2018*
- Managed cross-functional sub-teams, facilitated logistics and led outreach, tripling team from 10 to 30+ members
- Awarded Excellence in Robotics Award, Senior Technology Award and PTA Scholar Award for contributions to robotics
- Programmed hardware with Java, engineered the electrical system, and constructed 125 lb. robots to compete internationally

TEDxYouth@SAS (Singapore American School)   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+
- Managed event logistics (2015) and was selected to attend TEDFest 2018, an official TED conference in NYC

Project

Spacelab – 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
- Implemented a data capturing system with PBASIC and conceptualized the infrastructure of the micro lab

Extracurriculars

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.
Performing Arts, 12+ years of dance training. UW AcaBellas (A Cappella - Choreography Lead). UW Cheerleading Team.
Women in Finance at UW, Assisted with outreach and growth by designing graphics and building the social media strategy.