Tony Shen

Honours Electrical and Computer Engineering | Term 1B

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Skills

SOFTWARE
C++ | Python | Java | Eclipse | HTML | CSS | Agile
DevOps | Windows OS | Microsoft Office Suite

HARDWARE
Computer Building | Circuitry | Soldering

Summary of Qualifications

TEAMWORK | COMMUNICATION
- Project manager, led multiple teams, vendor mgt.
- Customer service job, working in large team of ~15
- Playing in music groups, section leader/principal

TIME MANAGEMENT | ORGANIZATION
- Maintained project timeline, documented process
- Balancing extracurriculars, job, school, multitasker
- Wide involvement, cello, badminton, work, OPHB

INDEPENDENT WORK | SELF-DRIVEN
- Self-taught C++, Python, online research/resources
- Excellent academics, honour roll, strong work ethic

Projects

OPERATIONAL DATABASE (C++)
- Programmed database, input from user and .csv file, output to file, user friendly, debugging errors
- Program has functions for sorting, finding statistics
- Part of self-teaching, done within first week of C++

PERSONAL WEBSITE (HTML, CSS)
- Simple website w/ portfolio, taught self web design

Experience

INFORMATION SECURITY ANALYST
HOME TRUST COMPANY   **JAN 2019 – APR 2019**
- Project lead for Crowdsourced AI project, coordinated legal, compliance, ERM, InfoSec, BI, and data warehouse teams as project manager
- Completed necessary supporting documentation
- Increased company-wide employee cybersecurity awareness by 24% over first month
- Created monthly security summary with KPIs for executives, showing trends, outliers
- Compiled security advisory/update report daily
- Excel data analysis (vlookup, pivot tables, etc.) to remediate/organize poor data
- Access management engineering through platforms: SAP NetWeaver, ServiceNow

TEAM MEMBER
TIM HORTONS   **AUG 2017 – AUG 2018**
- Interacted with customers as both a cashier and drive-thru operator, built communication skills
- Worked alongside a team of ~15 preparing food, drinks, and maintain cleanliness, good teamwork
- Kept drive-thru timer under company standard 20 seconds during morning rush hour each week

Education

UNIVERSITY OF WATERLOO
Sep 2018 – Present
- Candidate for Bachelor of Applied Science 2023 - Electrical and Computer Engineering - Term 1B
- Electricity and Magnetism, Discrete Mathematics, Digital Circuits, Linear Circuits, Calculus 2

MARKHAM DISTRICT HIGH SCHOOL
Sep 2014 – June 2018
- Advanced Placement, Gifted Program, Honour Roll

Extracurriculars

WATLOCK DESIGN TEAM
Oct 2018 – Apr 2019
- Business/Finances team, wrote proposals for UWaterloo faculties, company sponsors
- Helped with department funding pitches

ONTARIO PROVINCIAL HONOUR BAND
Oct 2017 – Nov 2017
- Principal Bass Clarinet, rehearsed + performed w/ ~100 musicians over one week, under conductor

MDHS MUSIC PROGRAM
Sep 2014 – Jun 2018
- Spent 5+ hrs/wk rehearsing: Wind Symphony (section leader), Jazz Band, Clarinet Quartet
- Taught music, set up rehearsals

Awards

COLLEGE BOARD AP EXAMINATIONS
May 2017 – May 2018
- Achieved Level 4: AP Physics 1, AP Calculus AB

UWATERLOO MATH COMPETETIONS
Dec 2016 – Apr 2018
- Placed top 25% of Contestants: Euclid, Galois, Cayley, and Canadian Intermediate Math Contest