Kobe Cofini

1B Electrical Engineering | 647.767.6617 | kcofini@edu.uwaterloo.ca | github.com/KobeCofini

EDUCATION

UNIVERSITY OF WATERLOO
ELECTRICAL ENGINEERING
CANDIDATE FOR BACHELOR
OF APPLIED SCIENCE
Sept 2019 | Waterloo, ON

TECHNICAL SKILLS

C • C++ • Python • VBA

SOFT SKILLS & EXTRACURRICULARS

TEAMWORK
Seamless coordination with co-workers gained through two years of experience in fast-paced environments

WRITTEN COMMUNICATION
Experience in research, analyzing technical manuals, and composing formal engineering proposals

VERBAL COMMUNICATION
Knew entire class by name (140+ students) by end of the first term

FITNESS, CLUBS
Longboarding Club, Waterloo Engineering Endowment Fund, Religious Fellowships

ARTS AND LITERATURE
Bass Guitar, Artistry, Photography, Reading

AWARDS

2019   Top 200/2023
Sir Isaac Newton Physics Exam
2019   International Languages
Certificate – Level B1 (French)
2019   Top Mark
Health and Fitness Activities
2018   School Award Winner
Fermat Mathematics Contest
2017   School Award Winner
Galois Mathematics Contest

SUMMARY OF QUALIFICATIONS

- Experience with the creation of various programs including Morse code translation, ASCII encryption, and a bank simulator using programming experience for C++, C, Python, and VBA
- School Individual Award Winner of the Fermat, Galois, Pascal, and Gauss Mathematics Contests
- Well-rounded and engaged lifestyle refined through a variety of interests and extracurriculars

PROJECTS AND EXPERIENCE

BANK ACCOUNT LOGIN SYSTEM
January 2020 | Waterloo, ON
- Used Python to build a login and account registry interface as a continuation of a prior project created in C
- Included text file editing for memory of all registered user accounts, passwords, and a randomized security code unique to every user

STARTERHACKS
January 2020 | Waterloo, ON
- Designed a project over a 24-hour period named the Environmental Credit System (ECS) to be integrated into the federal government as a strategy to regulate the ecological impact of companies in Canada
- Worked using C++ and HTML with a diversified team of varying skillsets

MORSE CODE TRANSLATOR
December 2018 – January 2020 | Ajax HS, ON
- Used C to translate Morse Code to Greek and English, with multilingual functionality that allows a user to load any language desired
- Included reading and writing with text file creation for output

ASCII ARMOR ENCRYPTION PROGRAM
October 2020 | Waterloo, ON
- Applied C++ programming ability to code a base 85 ASCII encryption and decryption program
- Included unique array scrambling using keys and array size adjustment

DRONE CLUB | MEMBER
March 2019 – June 2019 | Ajax HS, ON
- Co-founded club alongside teachers and peers to learn about and research aviation technology
- Performed basic drone assembly and test flights at weekly meetings

TOM'S NO FRILLS | PRODUCE CLERK
Oct 2017 – Aug 2019 | Ajax, ON
- Regularly put in charge of produce area and upheld high product quality by managing stock inventory
- Maintained store efficiency by working independently and unsupervised for extended periods of time
- Answered customer inquiries using problem solving and multitasking skills