JORDAN JOSEPH

SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | Windows Vista • Windows 7 • Windows 8 • Windows 10 • Mobile

Applications | Microsoft Office: Word • Excel • PPT • Access • Eclipse • PSPICE • C2 Atom

Programming| C++ • MATLAB • Java

Methodologies| Object-oriented problem solving and programming

Other| YouTube

Languages | French|Spoken & Written • English|Spoken & Written|

EDUCATION

Bachelor of Engineering – Electrical Engineering **2017 - 2023**
Concordia University, Montreal, QC

- Relevant Courses: Programing Methodology II, Applied Advanced Calculus, Applied Ordinary Differential Equations, Data Structures and Algorithms

DEC in Pure and Applied Sciences **2016**
Vanier College, Montreal, QC

WORK EXPERIENCE

IT Support Analyst **Sept 2018 - Dec 2018**
Wajax Industrial Components, Lachine, Quebec

- Assist people on the call center through phone calls and through the help-desk interface C2 atom.
- Identify problems, establish a plan of action, and implement solutions to the problems.
- Document the findings on the problems and solutions on C2 Atom.
- Communicate with team members for better coordination and completion of projects.
- Help on the formation of another intern.
- Technology used: Computers, Printers

Core Competencies: Oral and written communication, Decision-making, Teamwork, Multitasking

PROJECTS

Antenna Array Project **2022 - 2023**
Concordia University, Montreal, QC

- Research relevant information to prepare for the design of bow-tie antenna array
- Design a single bow-tie antenna in CST Studio Suite
- Design an antenna array from the single element that meets the requirements
- Look at the simulation results and adjust the design as needed
- Document every step of the design process
- Research on the mathematical representation of the antenna array
- Develop a mathematical understanding of the array by simulating the mathematical model on MATLAB

Core Objectives: Gain antenna design experience; Develop skills with the use of engineering software and tools; Research and filter information relevant to the project

Capstone Project (Academic) **2021 - 2022**
Concordia University, Montreal, QC

- Determine the requirements for the development of an ACL injury risk evaluation software as a team of six
- Research relevant information to prepare for the design phase
- Determine and distribute tasks during weekly team meetings
- Design the software application and get approval from the department
- Implement the application using Python, Google Colab and Qt-Creator and VideoPose3D
- Write reports to document each phase of the project
- Present the progress of the project during each phase

Core Objectives: Gain design experience by solving a complex interdisciplinary design problem; Develop project management, technical writing, and technical presentation skills; Integrate knowledge from several courses; Research and filter information relevant to the project

Product Design Project (Academic) **Summer 2021**
Concordia University, Montreal, QC

- Use Android Studio (Java), Arduino IDE (C++), Firebase Realtime Database (JSON) and sensors to develop a software application to monitor rooms temperature and occupancy status
- Determine the different stakeholders for the project as a team of seven
- Interview two stakeholders to extract requirements from them
- Rewrite the requirements into epic story format
- Assign weights and rank the stories into a product backlog
- Break down the epic stories into sprint ready stories and tasks
- Develop the application in three sprints of two weeks each
- Discuss progress with team members during scrum meetings

Core Objectives: Learn product development through an agile process, Gain design experience; Develop project management, technical writing and technical presentation skills; Research and filter information relevant to the project

Introductory Team Design Project (Academic) **Winter 2021**
Concordia University, Montreal, QC

- Use strengths, weaknesses, opportunities, and threats (SWOT) analysis along with analytic hierarchy process (AHP) to decide between engineering design options
- Use CoppeliaSim and Arduino IDE to design a hovercraft and automate its movements as a Team of five

Core Objectives: Solve problems of classical mechanics and basic fluids mechanics; Develop a detailed design and prototype of an electromechanical system (hovercraft) through a simulation environment; Develop project management skills; Research and filter

INTERESTS

Reading	Manga → Analyze and predict possible outcomes. Plan on reading novels.
Sports	Basket-Ball → I play for fun and watch games for entertainment.
Passions	Music → I Listen to Rap, R&B and New Age. I would like to learn how to play piano or guitar.