Dang **Le**

Graduating Industrial Engineer

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Graduated Industrial Engineering student with a passion in solving real world problems using Operation Research and Programming. I have experience in implementing existing software solution as well as developing custom optimization algorithms. My the ability to work analytically and adapting to new environment/ technology quickly are my greatest strength.

Skills

Progamming Languages	**C++**, Arduino, **Python**, Javascript, VBA, IBM CPLEX , Google OR Tools, C, ASP.NET
OS	Windows, Linux
Industrial Engineering	Lean, ERP, Statistical Analysis, Process Optimization, Logistic, Operation Research
Professional	Self-learning, Analysis, Leadership, Creative, Initiative
Data Analyst	Data visualization, Optimization, Heuristic and Meta Heuristic

Work Experience

Present – April 2019 | **Junior Developer , Axis Lighting, Canada**

- Develop custom feature for Epicor Erp
- Implementing Advanced Planing and Scheduling (APS) Module in Epicor to automate the scheduling process.

C# | ASP.NET | Software Development | Scheduling

April 2019 – May 2018 | **Operational Researcher , Concordia University, Canada**

- Develop mathematical model to optimize the migration of virtual machines on servers/ clouds alongside two university professors.
- Program and test the model using C++ with CPLEX API on Windows and Linux server
- Supervised by professor Brigitte Jaumard, Concordia University Research Chair, Tier 1, Computer Science and Software Engineering (CSE) Department

C++ | CPLEX | Python | Linux | Software Development

April 2019 – September 2017 | **Teaching Assistant , Concordia University, Canada**

- Course : Introduction to Programming for Mechanical and Industrial Engineering
- Demonstrate basic C++ programming language and Arduino to students
- Course : Lean Manufacturing
- Demonstrate the steps for Current and Future State Mapping

C++ | Arduino | Linux | Visual Studio | Lean Manufacturing | Communication

September 2017 – May 2017 | **Process Development Intern, Bombardier Aerospace, Canada**

- Participate in process mapping and efficiency improvement at Advanced Design department using Lean Design, along the project management team under guidance of Lean Master
- Engage stakeholders from different departments/sections to create tool for visualizing current integrated processes. The result has been validated by end-users
- Create template to document knowledge with high attention to detail for future training
- Organize and track progress of the knowledge documentation process

Visio | Excel | Lean design | Creativity | Critical thinking

Education

2019 | **Bachelor of Industrial Engineering , Concordia University, Canada**
2014 | Recognition : Distinct Graduation
Courses : Operational Research, Entrepreneurship, Algorithm Design, Logistic and Inventory Management, Heuristic and Meta Heuristic.
GPA : 3.55/4.30

2014 | **High school Diploma , Quakertown High school, USA**
2010 | Recognition : Top 10 percent of the graduating class.

Languages

Vietnamese
English

Books

- How Google Works
- Elon Musk Bibliography
- Amazon : The Everything Store

Scholarships and Awards

2014-2019 Concordia Entrance Scholarship ($25,000)
2014-2018 PepsiCo Excel Scholarhip ($16,000)
2018 Undergraduate Research Award ($6,000)
2016 Engineering Dean's List

Projects

Axis Scheduler September 2018 - May 2019
github.com/DangLe1996/Scheduling-python
Axis Scheduler is a custom made solution for Axis Lighting Inc. as part of the graduation project with the team of five. The solution provides automation of scheduling tasks for daily planners at machining stations and provide a real time adjustment as needed

Visual Studio | Google OR Tools | Python | Github | Scheduling | Optimization | Big data extraction and analysis | Client engagements | Team work

Virtual Machine Migration May 2018 - Present
github.com/DangLe1996/VM-Migration-Optimization
Implement the project Virtual Machine Migration Project using C++ and CPLEX API. This software have been able to generate a migration schedule for instance of 500 servers with 2000 Virtual Machines in less than 10 minutes and the results show significant improvements over published methods.

C++ | Linux | Visual Studio | Optimization | Data analyst

Inventory Management System September 2018 - December 2018

Develop an inventory management system for Robotics Design Inc. as part of a class project using Excel VBA with the team of five

Excel VBA | Problem solving | Team work

IISE Conference Simulation Competition September 2017 - January 2018

Work as a group of three, simulate a given problem using Arena Simulation tool and present the solution to panel of judges, both in term of technical and business aspect and received good complements for creaticity. Received Fourth place out of 20 teams from universities across Canada

Arena simulation | Team works | Case study

References

Dr. Brigitte Jaumard
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