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Summary

I was an HVAC engineer and BIM engineer with a stable job. I like challenges and pursue a more meaningful life. Now I am studying computer programming and will become a programmer after graduation. The change of industry is not a sudden decision for me. In the past, I have tried to work as a software product manager and collect software development requirements and gain industry experience to prepare for becoming a software developer in the future. When I felt I still needed to learn about software development, I firmly went back to college to study.

Experience

Senior HVAC Supervisor

China Energy Engineering Group Co. Ltd.

Oct 2018 - Aug 2021 (2 years 11 months)

CEEC Geothermal Co.

1. Scientific research and management of renewable energy projects.
2. Build BIM model for buildings that use renewable energy.
3. Actively promote the application of renewable energy in building heating and cooling.



Software Product Manager

Beijing Meetoo Technology Co.

Jul 2017 - Sep 2018 (1 year 3 months)

1. Design of BIM operation and maintenance software (building space, energy management) functions.
2. Communicate requirements with customers, mainly large-scale hospitals, about building energy efficiency and building smart operation and maintenance requirements, and propose software improvements.
3. Formulate BIM modeling standards according to the requirements of operation and maintenance software



BIM software training lecturer

Beijing Hongye Technology Co.

Jan 2016 - Jun 2017 (1 year 6 months)

1. Train staff of architectural design institutes and construction companies on how to use BIM software to draw 3D architectural and MEP models.
2. Collect BIM software improvement needs, and help to enhance and improve the functionality of BIM software.
3. As a moderator, host BIM software product launch.



HVAC Engineer

Walton Design & Consulting Engineering Co., Ltd

Jul 2013 - Jan 2016 (2 years 7 months)

1. As a HVAC designer, design refrigeration, heating and ventilation systems for public and residential buildings
2. HVAC load calculation, preliminary design, construction drawing design

Education



Seneca College

Computer Programming and Analysis

Sep 2021 - Sep 2023



Beijing University of Technology

Master's degree, Thermal Power Engineering

Sep 2010 - Jul 2013

Research Topic: Vehicle exhaust waste heat recovery and heat storage with molten salt

Licenses & Certifications



Programming for Everybody (Getting Started with Python) - Coursera

KUX7FTQXS762



Python Data Structures - Coursera

K5UZVKRUD29Z



Learning Git and GitHub - LinkedIn Learning 2

AXnSI4bL6vOsXDCd7zi3ftDI71JU



2022 Sustainability Hackathon Participant - Seneca College

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Skills

C language • BIM • Python (Programming Language) • Revit • Mandarin • English • C++ • JavaScript • Oracle Database • AutoCAD