MATHEW VAN DOVER

SYSTEMS ENGINEER II

OBJECTIVE

Make the world a healthier and safer place while working with cutting edge technologies.

SKILLS & ABILITIES

Have presented my whole life, very comfortable speaking in front of groups, Good at preparing PowerPoints and giving presentations. Very persistent and a hard worker.

PROGRAMMING LANGUAGES

- C
- C++
- Javascript
- Python
- G-code
- HTML
- CSS
- PHP
- Ruby
- XML

PROGRAMS

- Microsoft Office/Project
- CAD
- Matlab
- Adobe Photoshop/Premiere

CONTACT INFORMATION

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EXPERIENCE

RAYTHEON, AURORA CO

05/2014 – 07/2018

- I was a systems engineer II on the next generation GPS OCX program working on a configuration item that would control and status all of the ground hardware.
- Created requirements, use cases, algorithms, UML diagrams, ESLOC bids, roles and permissions, security standards, monitoring policies, purge policies, etc.
- Worked as a developer during the PD and DD phases implementing parts of the design I created while reviewing other developers work.
- Worked on automated deployment using chef ruby code.
- Wrote test approaches and procedures, automated software tests using cucumber and eggplant to verify the system requirements.

SCHNEIDER ELECTRIC, WEYMOUTH MA

05/2013 – 08/2013

- For a CO-OP I shadowed a project manager, field service representative, and sales representative at one of the Schneider Electric / Square D field service centers.
- Learned about power distribution while working here by shadowing field service representatives.
- Tested circuit breakers and observed on-site maintenance.
- Scheduled and coordinated service and maintenance calls
- Reviewed and analyzed electrical diagrams
- Talked with customers, created purchase orders, and coordinated shipping on the orders.

EDUCATION

MASTERS OF SCIENCE

SYSTEMS ENGINEERING, CTU, CO

- This was a graduate masters of science degree.
- My overall GPA was a 3.49.
- This degree plan included classes in systems engineering, project management, and computer science.
- I had designed and implemented a senior project to measure the apparent resistivity of the ground to aid in the finding of clean water in third world countries.

BACHELORS OF SCIENCE

ELECTROMECHANICAL ENGINEERING, WIT, MA

- This was an undergraduate bachelors of science degree.
- I received a concentration in biomedical systems engineering.
- It was accredited for both electrical and mechanical engineering.
- For a senior project I created a medical system that would adjust oxygen volumetric flow rate based on the patient's oxygen saturation in the blood. It was a negative feedback control loop and had a preliminary patent filed for it.