

Seasoned Technician Embracing Engineering Destiny

Greg Kline

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Objective To improve the efficiency of utility systems and enlighten the world to the benefits of nuclear power, as well as immerse myself in relevant fields of study and research, specifically application and design of automation and control systems as well as thermal fluid systems.

Employment

5/2012 - Present University of Texas, Jackson School of Geology Programmer/Designer/Research Assistant

- Created a set of analysis GUIs for the water resource's main sedimentology basin.
- Created a geo-statistical topographic gap-filling program.
- Created an automated topographic scanning program in Labview to be used with Microsoft's Kinect hardware and self designed control system.
- Designed and built a low cost basin to utilize the Kinect setup to perform otherwise expensive experiments.

12/2010 - Present Broadcast Sports Inc. - Freelance RF and Remote Television Technician/Operator

- GM offered transition from full-time to summer part-time position while attending college.

8/2005 - 12/2010 Broadcast Sports Inc. - Full-time RF and Remote Television Technician/Operator

- Ensured continuity of video/audio streams during live broadcast through technical expertise and personnel management.
- Assisted in successful repair of a large number of in-house broken wireless equipment.
- Skilled at adapting available resources to complete tasks.

8/1999 - 8/2005 US Navy, USS Jacksonville SSN-699 Electronics Technician/Reactor Operator

- Performed final shutdown/cooldown prior to ship's refueling with complete success.
- Executed multiple vital repairs under fire.
- Successfully performed in all operational reactor safeguard exams allowing nothing less than an above average grade.
- Ran the Reactor Controls division, an E-7 billet, as an E-5.
- Qualified and operated many jobs outside trained field.
- Increased efficiency of warehouse tracking system through computerization and training.

Education

9/2011 - Present Cockrell School of Engineering, University of Texas

- Mechanical Engineering/Applied Mathematics Major with a nuclear focus.

1/2010 - 1/2011 Austin Community College 4.00 GPA

- Built up transfer profile while meeting Texas residency requirements.

US Navy Training:

3/2003 - 4/2003 Electronics Technician Maintenance School

- Advanced soldering techniques and specifications to NASA specifications
- Advanced troubleshooting techniques, including "on the fly" repair allowing power continuity but safe operation

12/2000 - 6/2001 Nuclear Power Training Unit-Ballston Spa 3.21 GPA

- Hands-on operation with a fully functional nuclear reactor, including maintenance and damage control

4/2000 - 12/2000 Nuclear Power School 3.62 GPA

- Learned the theory of nuclear physics, fission, thermodynamics, mechanical and electrical theory, radiological control, chemistry, and nuclear power history.

10/1999 - 4/2000 Nuclear Field Electronics Technician "A" school 3.34 GPA

- Basics and complexities of electrical theory and circuitry
- Specific troubleshooting tasks, and basic repair
- Fiber optic maintenance
- Complex monitoring and control systems of a nuclear power plant

Skills

Teamwork - Our nuclear submarine excelled because we worked as a cohesive team.

Fast Learner - Qualified as a reactor operator as early as ship's underway schedule allowed.

Diversified/Eagerness to learn

- Consistently go above and beyond to learn skills outside job description.
- Continued nuclear education after qualification including history, incidents, and theory above expectations, aiding in advanced troubleshooting by possessing knowledge of "integrated plant"(inter-system) processes.

Repair/Troubleshooting Expertise - Developed proficiency through field experience in fast-paced environments.

Drafting/Design - Experience with both hand drafting and computer modeling, Built two separate experimental flumes.

Programming/Data Analysis - Proficiency with PC, Mac, Labview, MATLAB, C/C++, Microsoft Office, Solidworks, Python