Kyle Hagan

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OBJECTIVE

I am seeking a long term position where I can develop into a Sr. Software Developer, with a willingness to relocate.

EDUCATION

California State University, Long Beach   2008 – 2012   CSULB   GPA: 3.930
Bachelor of Science in Mechanical Engineering

WORK EXPERIENCE

Design and Programming Engineer at TECT Power
8839 Pioneer Blvd Santa Fe Springs, California
February 2013 to Current

- Involved in the manufacturing of critical rotating components and assemblies for turbine engines for aviation and industrial applications
- Created 5-axis milling toolpath using Unigraphics NX 8.5 and manipulated toolpath with Python
- Created a Python program with a graphical user interface to convert data from one software to another which reduced development time from days to hours
- Created various Python programs to automate repetitious tasks and to deal with large datasets and calculations

Boeing Contracted Lab Technician
Boeing Research & Technology's LB47, Assembly & Robotics lab at California State University, Long Beach, California.
October 2011 to December 2012

- Performed in a fast paced environment, managed multiple tasks, and completed them on time.
- Performed orbital drilling research and development for implementation of automated manufacturing processes on the Boeing 787
- Performed testing and qualification of orbital drilling processes on new materials such as titanium and carbon fiber composite for 787 Wing to Body Join.
- Designed and modified detail part and assembly drawings for various projects using NX 6
- Proficient in the use of toolroom mills, lathe, jig bore, grinder, band saw and CNC vertical mill.
- Designed and built an ergonomic workcell for the Keller cribs in 787 final assembly.
- Created and analyzed summary reports in excel from hole drilling test data

COMPUTER SKILLS

Programming: Python, Django, Flask, QT Designer, Git, HTML, CSS, Javascript

AWARDS/SCHOLARSHIPS

California State University, Long Beach President Scholar
Full ride scholarship given to a selected few California high school seniors who are qualifying valedictorians from accredited high schools.

MEMBERSHIPS

President, American Society of Mechanical Engineers (ASME) CSULB Chapter, 2010-2011
Webmaster, Tau Beta Pi (Engineering Honor Society) CSULB Chapter, 2010-2011