

GimKhanNg

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Objective

To establish a career in the field of Mechanical Engineering with specialization in Automatic Control and Manufacturing Engineering.

Education

- Oklahoma State University (OSU), Stillwater, Oklahoma
B.S., Mechanical Engineering, December 1999.
- Oklahoma State University (OSU), Stillwater, Oklahoma
M.S., Mechanical Engineering, December 2002.
Major: Automatic Control. G.P.A.: 3.6

Experience

1999-present

Department of Mechanical and Aerospace Engineering (OSU), Stillwater, Oklahoma

Research Assistant

- Designed and manufactured experimental platforms for research.
- Developed different control algorithms to optimize lateral web guiding system performance other than conventional PI controller.
- Worked with SPACe real-time control data acquisition, MATLAB and SIMULINK simulation and CAD software.
- Managed research purchases for research group.

1999-present

Advance Research Technology Center (ATRC), Stillwater, Oklahoma

Technician

- Maintaining the operational efficiency of the Web Handling Research Center (WHRC)
- Diagnosing and troubleshooting equipment and experimental platforms.
- Assisting graduate research students in designing and manufacturing of research platforms.
- Leading technicians to complete tasks efficiently and effectively.

2000-2001

Department of Mechanical and Aerospace Engineering (OSU), Stillwater, Oklahoma

Teaching Assistant

- Assisted and taught students in academic course works and machine operations.
- Maintained machine lab operation and student safety.
- Managed student project expense accounts.

Skills

AutoCAD, Pro/Engineer, MATLAB, SIMULINK, C/C++, MathCAD, LabVIEW, LaTeX, Fortran, Microsoft Visual Basic, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft Project.

Knowledge in automatic control, real-time control, system modeling, mechatronics, mechanical design, CAD and manufacturing.

Fluent in English, Malay and Chinese (Mandarin and Cantonese).

Activities

- Active member of American Society of Mechanical Engineers, (ASME).
- Vice president of Malaysian Student Society at Oklahoma State University.

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