

Ye Yuan

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OBJECTIVE:

To apply for TA Job – ECE110 Electrical Fundamentals

Category: Engineering Summer Course

TEACHING ASSISTANT EXPERIENCE:

- Jan.2015-Present: Teaching Assistant for the undergraduate course **ECE110H1S** (Electrical Fundamentals).
Duty description: Conduct lab:
5 labs total; each lab 4 times; total hours: $5*4*2=40$ hours
Exam marking:
 $1*6=6$ hours

EDUCATION:

- Sep. 2014–Present: Master Student, University of Toronto, St. George Campus
- Major Field of Study: Electrical & Computer Engineering
- Aug. 2010–June.2014: Beijing Institute of Technology
- Major Field of Study: Electrical Engineering and Automation
- CGPA: 85/100 or 3.7/4.0 (A) (undergraduate)
- CGPA: 3.85/4.0 (A) (graduate)

PROJECT EXPERIENCE:

- Dec.2014 **Design of an interleaved DC-DC flyback converter, Power Electronics Project**
Details: Designed and simulated an interleaved DC-DC flyback converter for both power stage and PWM compensator
- Sep. 2013 **Design of Motor Double Closed Loop System, Extracurricular Group Work**
Details: Obtained the parameters for PID compensator and debugged the circuit in group, Controlled the DC motor well
- Sep. 2013 **Ultrasonic Ranging system, Curriculum Design**
Details: implemented both the hardware part and the programming part for an ultrasonic ranging system

SKILLS & INTERESTS

- Software: PLECS, MATLAB, Multisim, Microsoft Office Suite
- Strong in Power Electronics and Control Theory; Strong in Programming.
- Passion and Interest for Teaching

RELATED COURSES

- Fundamentals of Circuit Analysis (90%)
- Fundamentals of Electrical Engineering (84%)
- Analysis of Analog Circuits (84%)
- Power Electronics – Converter Topologies(A)
- Motor & Driving (91%)
- Design of High-Frequency Switch-Mode Power Supplies (A-)