

Dream Coder

6#334, Zisong Ap
1037 Luoyu Rd, Wuhan, China, 430074
+86-18681776492/+1-6125162222
service@dreamcodergroup.com

Objective	Admission to Mechanical Engineering/Power Engineering graduate programs	
Education	B.E. in Mechanical Engineering Peking University (PKU) <ul style="list-style-type: none">• GPA: 100/100• Rank: 1/23• IELTS 6.5 (R 7, L 7, S 7, W 7), GRE 325 (Verbal 160, Quantitative 165, AW 6.0)• Featured courses: Mechanical Design 92, Computer Control System Power Engineering 94, Computer Aided Technique 89, Technology of CAD 91, Analogue Electronics 90, Industrial Practice 90, Experiment on Foundation of Project Control 95	2010.09–2014.06 Beijing, China
Publication	<ul style="list-style-type: none">• Yu, X., Biodegradable polymer microcapsules fabrication through a template-free approach. <i>Langmuir</i> 2011, 27, 10265–10273. (IF=4.186)• Yu, X. (co-first), Generation of polymer nanocapsules via a membrane-extrusion emulsification approach. <i>Materials Letters</i> 2012, 77, 96–99. (IF=2.307)	
Work Experience	Research Assistant State Key Laboratory of Coal Combustion —Gas-solid Reaction Kinetics Analyzer Based on Micro-dual Bed Fuel-staging Thermal Transition China NSF Funding: 2011YQ120039 <ul style="list-style-type: none">• Verified the flow field distribution stimulated by CFD• Tested the pressure distribution and particle trajectory in the flow field• Wrote the online data collection and processing program for the CO₂ detector, the detector together with the program was patented as new invention, PATENT NO. 201310438571.9	2013.03–present Advisor Prof. YAO, Hong
	Modeling the Pulverized Coal Combustion in a Single Burner Furnace —Supervised by Prof. FANG, Qingyan <ul style="list-style-type: none">• Stimulated velocity field, temperature field, oxygen concentration field of the furnace with CFD• Optimized the combustion condition considering different impact factors	2013.05
Internship	Marketing Assistant Pepsi China, Beijing Marketing data analysis	2013.07–2013.08
	Operational Department Assistant Xiangyang Power Plant Steam turbine maintenance	2013.06–2013.07
Skills	VC/VB/Matlab/Access/SQL Server/Fluent/Gambit L ^A T _E X	