Chris Yim

4005 Aberdeen Dr, Cham EDUCATION	npaign IL 61822 • 217-390-6840 • chrisyim5@gmail	l.com • yimster.github.io
University of Illinois at Urbana-Char	mpaign	GPA: 3.59/4.00
Master of Science, Electrical Engineering	F B	Graduating, December 2019
University of Illinois at Urbana-Champai	im	$GPA \cdot 2.72/4.00$
Bachelor of Science, Electrical Engineering	ign	Completed May 2017
RESEARCH		
Hanumolu Research Group		Urbana, IL
Analog/Mixed-Signal IC Graduate Student		September 2017 - Present
 Studying phase-locked loops and delta-sign 	ma modulators	
 Verified functionality and concepts with 	n MATLAB simulations	
Shanbhag Research Group		Urbana, IL
Undergraduate Research Assistant		January 2016 – May 2017
Simulated and analyzed different radial bas	sis function circuits for on-chip support vector mach	nine classification
Implemented a statistical error compensation	ion scheme for digital ICs in a Verilog to MATLAB in	nterface
Bretl Research Group		Urbana, IL
Undergraduate Research Assistant		July 2014 – December 2015
 Designed a PCB which interfaced an analog Published a paper for IEEE EMBC 2016 	g front-end with a microprocessor for an EMG contr 5	olled prosthetic arm
INTERNSHIPS		
NVIDIA		Santa Clara, CA
Mixed-Signal IC Verification Intern		May 2018 – August 2018
• Wrote miscenaneous System veriog modul	generator eve-iitter/width/height measurements i	deal SerDes components
Viasat		Tempe, AZ
 Completed electrical strong analysis of a from 	avenay convertor module in the setellite	May 2017 – August 2017
 Completed electrical stress analysis of a free Coordinated with a team to verify specifica 	tions for the frequency converter module	
 Improved an HFSS model of an SMA to mi 	crostrip connection interface	
	r i i i i i i i i i i i i i i i i i i i	
Ecolab PD&F Flootnigal Engineering Intern		Lupo 2016 August 2016
Conducted experiments to test the feasibility	ty of current signature analysis for detection of failu	res in solonoid valves and peristaltic pumps
Built two different cost-officient methods fi	or tracking the amount of solid chemistry in Ecolah	disponsors
	or tracking the amount of solid chemistry in Ecolab	
PROJECTS		Spring 2016
Designed a voltage regulator in adapted in	190nm process technology	Spring 2010
 Designed a voltage regulator in cadence in Outputs 1.2 V = 1.5 V for 1mA = 10mA load 	current with specs on DC Line/Load regulation	
Binary Classifier	current with spees on De Line, Loud regulation	Fall 2015
• Developed a circuit that compares the Ham	nming distances between two pairs of input vectors	
• Layout drawn in cadence with a 250nr	n process technology	
COURSEWORK		
(ECE 482) Digital IC Design	(ECE 534) Random Processes	(ECE 459) Communications I
(ECE 483) Analog IC Design (ECE 581) Advanced Analog IC Design*	(ECE 310) Digital Signal Processing	(ECE 453) Wireless Communication Systems
(ECE 464) Power Electronics	(ECE 527) System-on-Chip Design	(ECE 447) Active Microwave Devices
(ECE 486) Control Systems	(ECE 441) Semiconductor Devices	(ECE 451) Advanced Microwave Measurements
INVOLVEMENT		
Electronics Circuits Laboratory (ECE 34:	3)	University of Illinois

August 2017 – Present

Electronics Circuits Laboratory (ECE 343) *Teaching Assistant*

TECHNICAL SKILLS