

Eric L. Pheterson

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954 - 610 - 6183

Objective Utilize my technological abilities, problem-solving mindset and passion for quality work to both bring people safely to space, and further the industry.

Education

University of Florida		Graduating Spring 2012
G.P.A.	3.47 / 4.0	Gainesville, FL
Majors	Aerospace Engineering Mechanical Engineering	
Minor	Computer & Information Science	
Santa Fe College		Graduated 2008
G.P.A.	3.64 / 4.0	Gainesville, FL
Degree	Associates of the Arts in Engineering with Honors	

Experience

National Aeronautics and Space Administration (NASA) 2010 - Present
Gainesville, FL
Research Scientist for the University of Florida Micro Gravi-Gators

- Studied chilldown rate of cryogenic transport lines by flying aboard NASA's "Weightless Wonder"
- Developed team website & created automation software to simplify in-flight procedure
- Performed in-depth structural analysis, prepared documents & apparatus to strict NASA guidelines

University of Florida 2009 - Present
Gainesville, FL
Head of IT for the Center for Infrastructure Protection & Physical Security

- Solely responsible for all technology used by graduate students and faculty
- Proposed, designed, built & deployed 144 core supercompute cluster for research use
- Set-up & tested data acquisition system, high speed camera and a 1/4-ton drop hammer

New Age Media 2009 - 2010
2007 - 2008
Gainesville, FL
Master Control Operator over Local CBS, NBC & My11 Television Stations

- Accounted for shows and commercials airing as required, solving technical failures
- Programed custom software to streamline video segmentation process
- Trained new employees in the role and reliably manned day & night-time shifts

Involvement

Member of American Institute of Aeronautics and Astronautics 2009 - Present

Executive Board Member for the Delta Epsilon Iota Honor Society 2010 - Present

Skills

Software Capabilities

CAD	Pro/Engineer, Solidworks
Mathematics	Matlab, Maple, Derive, Converge
Programming	Labview, Coda, Microsoft Visual Studio, Excel, Adobe Dreamweaver, Netbeans
Visual Design	Adobe Photoshop, Adobe InDesign, Adobe Illustrator
Platforms	Apple OS X, Microsoft Windows, Linux

Programming Languages

Platform	Java, C++, C#, AutoHotkey
Web	HTML, PHP, CSS

Manufacturing Experience

Machining	Lathe, Mill, Drill Press, Computer Numeric Controlled Machine (CNC)
Metalworking	Welding, Sheering, Shaping

Transcript

<i>Term GPA</i>	<i>Course</i>	<i>Course Title</i>	<i>Grade</i>	<i>Credits</i>
Fall '06 3.61	CHM 1025	Introduction to College Chemistry	B+	3
	CHM 1025L	Introduction to College Chemistry Lab	B+	1
	ENC 1101	College Composition	A	3
	MAC 1114	Trigonometry	A	3
	SYG 2010	Social Problems	B	3
Spring '07 3.28	CHM 2045	College Chemistry I	B	3
	CHM 2045L	College Chemistry I Lab	B	1
	ENC 1102	Writing & Literature	B	3
	MAC 1140	Precalculus & Algebra	B+	3
	PHI 2010	Introduction to Philosophy	B+	3
	SPC 2600	Public Speaking I	B+	3
Summer '07	ENC 2210	Technical Communication	A	3
Fall '07 4.0	AMH 2010	American History thru 1877	A	3
	COP 1000	Introduction to Programming	A	3
	MAC 2311	Calculus I	A	4
	MAC 2311L	Calculus I Lab	A	0
	MUH 2019	American Popular Music	A	3
Spring '08 3.42	ART 1001C	Art Fundamentals	A	3
	BSC 2010	Core Biology I	B+	3
	BSC 2010L	Core Biology I Lab	B+	1
	COP 2551	Object Oriented Programming	A	3
	MAC 2312	Calculus II w/ Lab	C+	4
Summer '08 3.81	MAC 2313	Calculus III	A	4
	MAC 2313L	Calculus III Lab	A	0
	MAP 2302	Differential Equations	A	3
	PHY 2048	Physics I w/ Calculus	B+	3
<i>Graduation with Honors</i>	PHY 2048L	Physics I w/ Calculus Lab	B+	1
Fall '08 3.35	EGM 2511	Engineering Mechanics – Statics	B	3
	EGN 1002	Introduction to Engineering	A	1
	EML 2023	Computer Aided Design (CAD)	A	3
	EML 3100	Thermodynamics I	B+	3
	PHY 2049	Physics I w/ Calculus II	B	3
	PHY 2049L	Physics I w/ Calculus II Lab	A	1
Spring '09 3.87	EEL3003	Elements of Electrical Engineering	A	3
	EGM3520	Mechanics of Materials	A	3
	EMA3010	Materials	B+	3
	EML2322L	Design & Manufacturing Lab	A	2
	EML2920	Professional Orientation	A	1
Fall '09 3.53	CIS3020	Advanced Programming Fundamentals	A-	3
	COT3100	Applications of Discrete Structures	A	3
	EGM3344	Introduction to Numerical Methods	B+	3
	EGM3401	Dynamics	B-	3
	EML3301C	Mechanics of Materials Lab	A	3
Spring '10 3.10	CDA3101	Introduction to Computer Organization	A-	3
	COP3530	Data Structures & Algorithms	A-	4
	EGM4313	Intermediate Engineering Analysis	C+	3
	EGN3353C	Fluid Mechanics	C+	3
	EML3005	Mechanical Design	B+	3
Summer '10	EML4304C	Thermodynamics & Fluids Design / Lab	A	3
Fall '10 3.83	EML4140	Heat Transfer	A	3
	EML4220	Vibrations	A	3
	EML4312	Control of Mechanical Engineering Systems	A-	3
	EML4321	Manufacturing Engineering	A-	3
Spring '11 3.00	EAS4101	Aerodynamics	B-	3
	EAS4300	Aerodynamic Propulsion	B	3
	EAS4510	Astrodynamic	B	3
	EML4507	Finite Element Analysis & Design	B+	3
Fall '11	EAS4700	Aerospace Design I	-	3
	EAS4200C	Aerospace Structures	-	3
	EAS440	Stability & Control of Aircraft	-	3
	EML4147C	Thermodynamics & Heat Transfer Design / Lab	-	3

SFC GPA: 3.64 | UF GPA: 3.47