## **Ballard Blair**

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EDUCATION	Massachusetts Institute of Technology / Woods Hole Ocea Cambridge/ Woods Hole, MA Working towards <i>PhD in Electrical, Computer, and Ocean E</i> June 2005 – Present ( <i>Current GPA: 5.0/5.0</i> )			
	Johns Hopkins University, College of Engineering, Baltimo Master of Science in Electrical and Computer Engineering Graduated: May 2005	ore, MD		
	<b>Cornell University</b> , College of Engineering, Ithaca NY Bachelor of Science in Electrical and Computer Engineering Cum Laude – Graduated: May 2002			
WORK Experience	Johns Hopkins Applied Physics Labs – Laurel, MD Hardware Design Engineer August • Implemented revolutionary design method for flight Ad • Improved development and testing process • Modified and implemented 802.11 device in Altera FPG • Lead engineer for space flight hardware	ctel FPC	June 2005 JA	
	Fitlinxx – Stamford, CTSeptemProject EngineerSeptem• Created new weight sensing system product	ber 200	00 – December 2000	
PROJECTS AT MIT/WHOI	<ul><li>Reconfigurable Modem: MIT Sea Grant</li><li>Prototyped FPGA for DSP main circuitry</li></ul>		Spring 2006	
	<ul> <li>SEABED Autonomous Underwater Vehicle: WHOI</li> <li>Renovated power distribution in electronics housing</li> <li>Improved software, hardware, and mechanical struct</li> <li>On deployment team twice in Greece for archeologi</li> </ul>	ture of v		
	<ul> <li>Acoustic Communication: WHOI Summer 2006-Present</li> <li>Created new method for LDPC codes in underwater communication</li> <li>Combined physical models with information theory for increased communication system performance</li> </ul>			
SPECIAL SKILLS	Languages: VHDL – Verilog – Java – C – -HTML – Labview Circuit Design Software: Mentor Graphics Tools – Orcad – M Altera/Actel/Xilinx Design Tools Other Programs: MATLAB - Adobe Suite - Dreamweaver	t Design Software: Mentor Graphics Tools – Orcad – Magic -Spice Altera/Actel/Xilinx Design Tools		
Honors	National Society of Collegiate Scholars - Eta Kappa Nu - National Merit Scholar Tau Beta Pi - Golden Key National Honor Society – Dean's List - Eagle Scout			

References available upon request