

# Michael Pratt

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CONTACT INFORMATION	2106 Woodbury Drive Hillsborough, NC 27278	mobile: (919) 271-4250 e-mail: michael@pratt.im web: github.com/prattmic
OBJECTIVE	To augment my education through co-op or intern work experience in the electrical and computer engineering field.	
EDUCATION	<b>North Carolina State University</b> , Raleigh, North Carolina <i>B.S. Computer and Electrical Engineering</i> <b>August 2011 – present</b> <ul style="list-style-type: none"><li>Expected graduation date: May 2015</li><li>Current GPA: 4.00/4.00</li></ul>	
EXPERIENCE	<b>Aerial Robotics Club</b> , North Carolina State University <i>Hardware and Software Systems Engineer</i> <b>August 2011 – present</b> <ul style="list-style-type: none"><li>Develop and maintain hardware and software solutions for unmanned aerial systems</li><li>Building an easy-to-use interface for a machine vision camera using the Python C API</li><li>Active developer of computer vision based automatic target recognition software</li><li>Developed autotracking system for unattended ground-to-plane communication</li><li>Payload operator for 2012 team at the AUVSI Student Unmanned Aerial Systems competition</li></ul> <b>Orange County Schools</b> , Hillsborough, North Carolina <i>Information Technology Intern</i> <b>January – June 2011</b> <ul style="list-style-type: none"><li>Maintained and repaired school computers and network</li><li>Assisted in initial implementation of computer ghosting system</li><li>Worked independently to solve IT issues</li></ul> <b>Personal projects</b> and open source contributions can be found at <a href="https://github.com/prattmic">github.com/prattmic</a> , including F4OS, a real time operating system developed for ARM Cortex-M4 processors, featuring real time task scheduling, memory management, IO abstraction, and more.	
PROGRAMMING SOFTWARE	C, Python, ARM Assembly, Bash, Go, SQL Linux, Git, GDB, L <sup>A</sup> T <sub>E</sub> X, HTML, CADsoft Eagle	
OTHER PROFESSIONAL EXPERIENCE	<b>Technician</b> , North Carolina State University <i>Photographer</i> <b>August 2011 – May 2012</b> <ul style="list-style-type: none"><li>Tackled time-sensitive independent and group photo assignments</li></ul>	
COMMUNITY INVOLVEMENT	<b>Boy Scouts of America</b> , Durham, North Carolina <i>Member and Eagle Scout</i> <b>August 2004 – June 2011</b> <ul style="list-style-type: none"><li>Designed and carried out a plan to improve an elementary school nature trail</li><li>Earned Eagle Scout Award in October 2010</li></ul> <i>Senior Patrol Leader</i> <b>January 2010 – January 2011</b> <ul style="list-style-type: none"><li>Led troop meetings, activities, and leadership council</li><li>Actively worked with troop members to solve interpersonal conflicts</li></ul>	
RELEVANT COURSEWORK	<ul style="list-style-type: none"><li>Microelectronics, Linear Systems (in progress)</li><li>Electric Circuits I and II</li><li>Computer Systems Programming (C)</li></ul>	
HONORS AND AWARDS	Dean's List, North Carolina State University, Fall 2011 and Spring 2012 Goodnight Scholarship, North Carolina State University, 2011 People Helping People Scholarship, NC State Employees' Credit Union, 2011 Eagle Scout Award, Boy Scouts of America, 2010	
REFERENCES	Available upon request.	