

Michael Pratt

CONTACT INFORMATION	608 Deerhaven Ct Hillsborough, NC 27278	mobile: (919) 271-4250 e-mail: michael@pratt.im web: github.com/prattmic
OBJECTIVE	To expand my knowledge of low-level and embedded systems through internship experience.	
EDUCATION	North Carolina State University , Raleigh, North Carolina <i>B.S. Computer and Electrical Engineering</i> August 2011 – present <ul style="list-style-type: none">Expected graduation date: May 2015Current GPA: 4.00/4.00	
EXPERIENCE	Aerial Robotics Club , North Carolina State University <i>Hardware and Software Systems Engineer</i> August 2011 – present <ul style="list-style-type: none">Develop and maintain hardware and software solutions for unmanned aerial systemsSynthesize subsystems into a complete, autonomous, unmanned aerial systemActive developer of computer vision based automatic target recognition softwareDeveloped autotracking system for unattended ground-to-plane communicationPayload operator for 2012 team at the AUVSI Student Unmanned Aerial Systems competition Orange County Schools , Hillsborough, North Carolina <i>Information Technology Intern</i> January – June 2011 <ul style="list-style-type: none">Maintained and repaired school computers and networkAssisted in initial implementation of computer ghosting systemWorked independently to solve IT issues Personal projects and open source contributions can be found at github.com/prattmic , 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, Go, Bash, SQL Linux, Git, GDB, L ^A T _E X, HTML, CADsoft Eagle	
OTHER PROFESSIONAL EXPERIENCE	Technician , North Carolina State University <i>Photographer</i> August 2011 – May 2012 <ul style="list-style-type: none">Tackled time-sensitive independent and group photo assignments	
COMMUNITY INVOLVEMENT	Boy Scouts of America , Durham, North Carolina <i>Member and Eagle Scout</i> August 2004 – June 2011 <ul style="list-style-type: none">Designed and carried out a plan to improve an elementary school nature trailEarned Eagle Scout Award in October 2010 <i>Senior Patrol Leader</i> January 2010 – January 2011 <ul style="list-style-type: none">Led troop meetings, activities, and leadership councilActively worked with troop members to solve interpersonal conflicts	
RELEVANT COURSEWORK	<ul style="list-style-type: none">Microelectronics, Linear Systems (in progress)Electric Circuits I and IIComputer Systems Programming (C)	
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.	