Christina Paolicelli

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SKILLS + TOOLS

Languages
C/C++
Python
HTML

Platforms
PSoC
C8051
NAO

Software
OrCad PSPICE
Git
MatLab
Simulink
DipTrace
LabView
LaTeX

Additional Skils
Electronics prototyping + verification
Digital Signals Processing
Controller Design and Analysis
PCB design and manufacturing
Technical documentation

RECENT COURSEWORK

Digital Signals Processing
Distributed Systems and Sensor Networks
Microprocessor Systems
Control Systems Engineering

EDUCATION

Rensselaer Polytechnic Institute
Troy, NY */ 2014 - 2017*
B.S. Electrical Engineering
GPA: 3.1

RELEVANT EXPERIENCE

The Boeing Company / ***Electrical Engineering Intern***
Oklahoma City, OK */ June - Aug. 2016*
Member of systems integration team during avionics modernization program.
Created software patches while working in systems integration lab.
Supported requirement management and coordinated collection of data from test procedures.

Rensselaer Motorsport */ FSAE Team*
Troy, NY */ 2014 - 2016*

***Engine, Drivetrain and Electrical Project Manger** / 2015-2016*
Designed, troubleshooted + constructed racecar quality wiring harness.
Managed development of engine, drivetrain and electrical package.
Designed and fabricated PCB for drive by wire system.
Developed and debugged code for I2C communication + pneumatic shifting.

Embedded Control TA
Troy, NY */ Sep. 2015 - PRESENT*
Assisted students with debugging software + hardware.
Ensured labs were properly complete.

ACTIVITIES + INTERESTS

RPI Ambulance
Troy, NY / Sep. 2014-PRESENT
Student run, Basic life suppot ambulance agency
NYS EMT-B Certified

Rowing
CSH High School Crew / Greenwich, CT / 2010 - 2014
Riversport Adventures Novice Masters / Oklahoma City, OK / Summer 2016

RECENT PROJECTS

Simulated Framework for Swarm Robotic Exploration of Post Disaster Enviroments
Developed a MatLab simulation of distributed robotic mapping of disaster enviroments with an focus on the occurance and response to communication deadzones.

Doppler Radar Simulation
Developed a simulation of a basic pulsed doppler radar signal, resuting response signal from targets and processing of the received signal.