

Christina Paolicelli

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EDUCATION

RENSSELAER POLYTECHNIC INSTITUTE

BS IN ELECTRICAL ENGINEERING
May 2017 | Troy, NY
Cum. GPA: 3.14

COURSEWORK

UNDERGRADUATE

Distributed Systems + Sensor Networks
Digital Signals Processing
Internetworking of Things
Control Systems Engineering
Microprocessor Systems
Inventor's Studio
(Teaching Asst)
Intro. to Embedded Control

SKILLS

PROGRAMMING LANGUAGES

C • C++ • Matlab
Python • \LaTeX • HTML

ENGINEERING SOFTWARE

Simulink • PSpice • LabView
Git • DOORS • Vim • Wireshark

EXPERIENCE

BAE SYSTEMS | ENGINEERING LEADERSHIP PROGRAM

June 2017 – Present | Endicott, NY

- Rotational program combined with graduate studies.
- Current rotation in embedded software development.
- Wrote custom spanning tree protocols.
- Designed method for implementing SSD encryption.

BOEING | ENGINEERING INTERN

May 2016 – Aug 2016 | Oklahoma City, OK

- Member of systems integration team for avionics modernization.
- Created software patches while working in system integration lab.
- Supported requirements management and coordinated collection of test results.

PROJECTS

OPTIMIZED MULTI-ROBOT DISASTER RESPONSE | CAPSTONE PROJECT

Spring 2017 | Troy, NY

Developed system for optimizing multi-robot response in unknown environments. Uses generalized modeling in MATLAB to produce continually improved results. Patent Application + Publication submitted.

AD-HOC WIRELESS NETWORK DEVELOPMENT | IOT PROJECT

Spring 2017 | Troy, NY

Used BATMAN-adv to setup and evaluate performance of an ad-hoc network among raspberry pis

SIMULATED SWARM ROBOTIC EXPLORATION

Fall 2016 | Troy, NY

Developed a MATLAB simulation of distributed robotic mapping of unknown environments with a focus on the occurrence and response to communication deadzones.

DOPPLER RADAR SIMULATION | DIGITAL SIGNALS PROCESSING

Fall 2016 | Troy, NY

Created a utility for learning about radars and doppler shifts in particular how input parameters affect waveforms.

INTERESTS

EMERGENCY MEDICAL SERVICE | RPI AMBULANCE

2014 - 2017 | Troy, NY

NYS EMT Basic, rode with ambulance crew to service the student population and local community.