

# YUAN (ZED) YANG

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Computer engineer with 2 years of experience in embedded systems software design, integration, and verification.

## PROFESSIONAL EXPERIENCE

BAE SYSTEMS, ENDICOTT, NY

*Engineering Leadership Development Program*

Software Verification Engineer – 777X Cabin Experience Network

June 2018 - present

- Performed software vulnerability modeling using Microsoft threat modelling tool
- Developed a threat analysis and requirements document for the customer
- Developed behavioral-driven python test script for requirement-based test (black box)
- Worked with Jenkins server for continuous integration and regression test setup

Software/System Engineer – Hybrid Drive Bus/NextGen Energy Storage System

June 2017 – May 2018

- Participated in short term scrum for hybrid bus software releases
- Supported multiple software releases
- Performed and developed regression test for software bundles
- Developed new functionalities and performed testing on target bus

Software Engineer – Research Project – Airborne Battery Management System

Sept 2017 – Dec 2017

- Conducted research in Lithium-ion battery management system for aircraft use
- Created a demo prototype system with test interface

Software Engineer – Project Freedom Trainer FCC

June 2016 – May 2017

- Created software tools for test stand that translates hardware memory address to software variable
- Modified a python-based tool that allows testers to create C based test code through excel spreadsheet
- Provided technical support on program specific software tools for remote testers
- Performed DAL-A software review

## TECHNICAL SKILLS

- Software Development– C/C++, Python, Jenkins continue integration, Neural Network, Matlab, bash script
- Hardware Development - FPGA design, VHDL, Verilog, Xilinx design suite, synopsis
- Other – Lean Six Sigma Green belt, Penetration Testing, Risk Analysis, Reliability Test Design

## EDUCATION

CORNELL UNIVERSITY, ITHACA, NY

*Master of Engineering in Systems Engineering*

With emphasis in Project Development and Management

*expected in May 2019*

GPA 3.84/4

BINGHAMTON UNIVERSITY (SUNY), BINGHAMTON, NY

*Master of Science in Electrical and Computer Engineering,*

With emphasis in Information Assurance

*May 2016*

GPA 3.56/4

*Bachelor of Science in Computer Engineering,*

With emphasis in Digital System Design

*May 2015*

GPA 3.34/4

## ADDITIONAL SKILLS

- Web development, HTML/CSS
- Requirements writer and critic