

# Ryan Pauly

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## Education

Bachelor of Science Computer Engineering  
University of Tennessee • Knoxville, TN

May 2020  
GPA: 3.39/4.00

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## Work Experience

### *Laboratory Technician*

Dairy Farmers of America • Knoxville, TN

May 2018 – Mar 2021

- My role as a lab technician involves receiving, measuring, and sorting of dairy samples for in-lab testing.
- Return coolers via shipping and labeling with FedEx shipping manager software.
- Unlock and open laboratory by 6 AM on weekend shifts.

### *Clicklist Associate*

Kroger • Knoxville, TN

Jul – Aug 2017

- My role as a Clicklist Associate for Kroger was to fulfill online orders for in-store pickup.
- Complete customer transactions for orders delivered to customers.

### *Summer Internship (Unpaid)*

Nucsafe • Oak Ridge, TN

Jul – Aug 2014

- Worked with a small commercial company that produces radiation detection instruments and neutron detectors.
- Used a Beaglebone Black microcomputer to create and host a browser-based sensor calibration prototype.

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## Projects on My Personal Website

*Scan or use the link below:*

- ORNL Data Center Design Proposal
- FPGA FIFO with VHDL
- Machine Learning: Breast Cancer Diagnosis
- Machine Learning: K-Means Clustering



<https://thecartographerr.github.io/index.html>

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## Honors and Activities

- Eagle Scout
- IEEE Member
- National Honor Society

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## Skills

- C/C++
- Python 3
- MATLAB
- MySQL
- VHDL
- Microsoft Office
- JavaScript
- HTML/CSS
- Linux

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## Hobbies

- Desktop PC Enthusiast
- Dungeons & Dragons
- Camping/Backpacking