

# Knox Joseph Crichton

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## EDUCATION AND WORK EXPERIENCE

### University of Tennessee, Class of 2023

Computer Engineering Major in the Tickle College of Engineering, 1794 Scholar

### Intern at Oak Ridge National Lab, Spring and Summer of 2019

Worked in Error Detection and Mitigation in Quantum Computing under Dr. Shirley Moore  
Implemented 4-2-2 Hadamard error correction techniques on higher qubit IBMQ machines

### Hardin Valley Academy, Class of 2019

GPA: 4.13 Weighted      SAT: 1340  
Voted Most Likely to Succeed by senior class

## ORGANIZATIONS

### FIRST Robotics, FRC 3824 *RoHAWKtics* 2016-2019

- Executive Captain 2019, Executive Board Member 2017-2019
- Semi-Finalist for FIRST Dean's List Award

### Air Force Association's CyberPatriot 2018-2019

- Linux specialist with skills in packet tracer
- Achieved Platinum Level in state competition

### CodeTN 2017-2019

- Web Programming competition with Full Stack, HTML, CSS, JavaScript, Node.js, PHP, SQL
- Won second place in 2019

### DECA 2016-2017

- Competed in International Business Plan event, won third place at state conference and qualified for DECA ICDC

### Other Extracurriculars

- Cross Country (2016), Constitution Bowl (1st in state, 2018), Band Technician (2018)

## SKILLS AND INTERESTS

- Designed and built multiple computers for personal use
- Fluent programming in Java, C++, Python 3, node.js, Bash
- Advanced knowledge of Debian based Linux
- Proficient in Git version management and collaborative programming
- Experience with Scrum teams and agile development
- Traveled to all 50 states of the US
- In-game leader for an amateur Counter-Strike team