JOVAN **YOSHIOKA**

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OBJECTIVE

To develop my computer science skills and grow as an individual through a rigorous internship opportunity. I hope to be able to demonstrate my current understanding of computer science while also learning new skills. I have a strong passion for problem solving and creating software programs.

NOTABLE ACTIVITIES

HVA RoHAWKtics 2016 - 2020

The HVA RoHAWKtics is a team that participates in the FIRST Robotics Competition (FRC).
Leadership: Executive Captain (2019-2020) and Programming Captain (2017-2020). As the Executive Captain, I oversaw the entire team, ensuring all subteams and subteam captains were working efficiently and effectively. I conversed with students and adult mentors to evaluate our team's progression. I also organized and led team meetings. As the Programming Captain, I oversaw the coding of the robot, conversed with other subteams to understand how a component should function (thus be programmed), and mentored underclassmen in coding.
Drive Team: Secondary Robot Driver (2016-2018) and Primary Robot Driver (2018-2020). With this prestigious honor, I controlled the team's robot during competitive matches, driving it across the field and accomplishing the specific tasks essential to obtaining victory. Along with driving the robot, I used my collaboration skills to effectively strategize and work with my team members and alliance partners (other teams on my team's side).
Volunteer Work: In order to spread STEM ideals and raise funds for our team, I volunteered at several events including, but not limited to, the Barnes & Nobles Maker Faire, Two Blues STEM Camp, Hardin Valley Elementary School STEM Night, Ball Camp Elementary School STEM Night, FLL Marble City Qualifier, and the Independence Day Parade.

FUTURE BUSINESS LEADERS OF AMERICA 2017 - 2020

FBLA is an organization that hosts several competitive events and educational conferences around the nation to prepare high school students for their future careers.
National Award Winner: Participated in the 2019 Coding & Programming competitive event. Placed first at the state level with a web application coded in three days completely from scratch by myself. Placed first at the national level with web application coded in a week.

OAK RIDGE NATIONAL LABORATORY INTERNSHIP SUMMER OF 2019

ORNL is a federally funded national laboratory that consists of several STEM-related research and development programs.
National Household Travel Survey (NHTS): Web application that takes data from a national survey and creates visual representations of that data for federal agencies and other consumers to find trends in travel and improve the infrastructure in their areas. I worked to resolve issues/bugs and to conceptualize, design, and code several key components. I also learned the dynamics of working in a professional environment.

EDUCATION

CLASS OF 2024

UNIVERSITY OF TENNESSEE KNOXVILLE KNOXVILLE, TENNESSEE

Major: Computer Science
Concentration: Honors
Courses: Intro to Computer Science, Honors Physics for Engineers, Matrix Algebra
Activities: Chancellor's Honors Program, Cook Grand Challenge Honors Program

GRADUATED 2020 WITH HONORS AND DISTINCTION

HARDIN VALLEY ACADEMY KNOXVILLE, TENNESSEE

STEM Academy Technology Endorsement: Went above and beyond graduation requirements.
Perfect Attendance: Never late or absent, except for school-related activities, for four years.
GPA: 3.9429 / 4.4 (Weighted)
AP Courses: AP Computer Science Principles, AP Computer Science A, AP Physics C M, AP Calculus AB, AP Calculus BC, AP Literature & Composition, and three others...
Extracurricular Activities: FIRST Robotics Competition (HVA RoHAWKtics), FBLA, CodeTN, CyberPatriots, National Honor Society, National Technical Honor Society

AWARDS & ACHIEVEMENTS

HARDIN VALLEY ACADEMY

Bohr Award: Most well-rounded STEM student at HVA.
AP Scholar with Distinction: Received an average score of at least 3.5 on all Advanced Placement (AP) Exams taken, and scores of 3 or higher on five or more of these exams.

HVA RoHAWKTICS

Dean's List Semi-Finalist: Granted to two students per FRC team who show great leadership and dedication to the program.
Outstanding Volunteer Award: FLL volunteer whose dedication is seen as a positive and vital component to the competition's success.
Chairman's Award (2020): Most prestigious award in FRC. Recipient team is an example of what other teams should strive to be. Only team in Tennessee to receive this award twice.
Chairman's Award (2017): First team in TN to receive this award.
Alliance Captain at Worlds: 2nd seeded at the FIRST Championship, the highest any Tennessee team has ever reached.

FUTURE BUSINESS LEADERS OF AMERICA

1st Place at State and Nationals: Best at conceptualizing, designing, coding, and presenting to panels of judges, and an audience in the finals, a dynamic app (Coding & Programming Competitive Event).
2nd Place at Regional: Excelled in a test of cyber security knowledge (Cyber Security Competitive Event).

CodeTN

2nd Place: Excelled in creating and presenting to a panel of judges and audience a web application that solves a school or community problem.

SKILLS

- Quick learner through hands-on experience
- Programming Languages (e.g., Java, HTML5, CSS3, JavaScript, jQuery, PHP, MySQL, C++, C#, AngularJS, TypeScript, Python, three.js)
- Problem Solving
- Perseverance
- Teamwork
- Optimism
- Dedication
- Creativity