Ryan Westfall

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EDUCATION

University of Oklahoma, Gallogly College of Engineering   **Norman, OK**
Bachelor of Science in Computer Science, Minor in Mathematics   *Expected May 2022*
GPA: 3.8/4.00 | **Relevant Coursework:** Data Structures, Programming Structures and Abstractions, Calculus I-III, Discrete Mathematics | **Honors:** Dean's List 2018-2019, Award of Excellence Scholarship

University of Oxford, Brasenose College   **Oxford, United Kingdom**
Honors at Oxford Program   *Jun 2019 - Jul 2019*

Claremore High School   **Claremore, OK**
High School Diploma   *Graduated May 2018*
GPA: 3.95/4.00 | **ACT: 33 | Honors:** Valedictorian, Technology Student Association State Champion in Coding (2017) and On-Demand Video Production (2018), 3rd place in VEX Robotics Head-to-Head & Skills Competition (2018), Oklahoma Coaches Association All-State Tennis (2018), President of Zebra TV Weekly Newscast (2018)

PROFESSIONAL EXPERIENCE

Pixorize Inc   **New York, NY**
Software Intern   *May 2019 - Present*
Video Editor   *May 2018 - Sep 2018*

- Created an in-house text-editor application that streamlined Pixorize's content creation and management process: built a React app and Express REST API, containerized front-end and back-end using Docker, utilized E2E and unit tests before committing
- Built GUI that automated image thumbnail creation by using React + Cropper.js and Node.js + GraphicsMagick
- Conducted data-driven marketing campaign to promote new product: managed Facebook and organic advertising through self-created adverts to targeted audience, monitored campaign performance metrics through Google Analytics, presented findings and made recommendations at the end of the campaign
- Composed videos and mixed/mastered audio using the Adobe Creative Suite

EXTRACURRICULAR ACTIVITIES

Robotics Club   **Norman, OK**
Team Programming Lead   *Aug 2018 - Present*

- Sketch mock-up of robot, 3D print components created in CAD software, laser cut plywood to create chassis, solder wires to pins/connections on motor controller and microcontroller, code autonomous event loop in Arduino

Phi Kappa Psi Fraternity   **Norman, OK**
Scholarship Chair and Recording Secretary   *Apr 2019 - Present*

- Design and implement academic support plan to improve chapter's GPA average: track fraternity members grades, offer academic assistance, schedule and procter study hours
- Record digest of all chapter meetings, track member attendance, archive traditions and records

VEX Robotics Team   **Claremore, OK**
Team President   *Aug 2016 - May 2018*

- Managed a team of 4 people to create a competition robot through coordination of mechanical, electrical, and programming components
- Coded driver-controlled and autonomous portions of the competition in RobotC programming language, recorded building milestones in engineering journal, designed robot mock-ups using CAD software, dremeled and bandsawed mechanical parts, wired electric motors and sensors to the robot's microcontroller

SKILLS & INTERESTS

Skills: Javascript, React, Express, Docker, Bash, HTML, CSS, Java, C++, Python, Gatsby, Git, Autodesk Inventor, Adobe Photoshop, Premiere, After Effects, and Audition
Interests: League of Legends (Gaming), Tennis, Ping Pong, Video Production, Chess, Reading/Manga