Cole Vaske

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Education

University of Nebraska—Lincoln, Lincoln, NE
Bachelor of Science in Software Engineering (Expected Graduation: May 2023)
Cumulative UNL GPA: 3.580
Minor: Mathematics

Work Experience

DRT LLC; Carter Lake, IA
Full Stack Web Development Intern, Summer 2021 - Present
- Gained experience using Javascript frontend, PHP backend, and SQL database languages
- Utilized several library and frameworks to for web development including jQuery, VueJS, Bootstrap, and KoolAjax
- Reviewed and approved other team members' merge requests
- Followed and exceeded company code styling/practices guidelines to consolidate feature code with production branch and uphold codebase maintainability
- Utilized the Git VCS tool to track feature branches and revise changes history
- Communicated and collaborated with coworkers, gaining experience from their expertise

Ag Alchemy; Omaha, NE
Production Assistant, Summers 2019 & 2020
- Utilized industrial processes to recycle waste bread from Rotella's bakery into cattle feed for local farmers
- Exceeded high production expectations by learning and mastering the company equipment such as the pellet mill and forklifts
- Communicated effectively with coworkers on and off the loud production floor

Involvement, Volunteering, and Awards

University of Nebraska--Lincoln Engineers Without Borders NU Chapter; Lincoln, NE
Fundraising Lead, August 2019-Present
- Fundraising committee management via task delegation and planning weekly team meetings
- Maximizing profits for the club via networking with corporate sponsors
- Participating in local community outreach such as stream cleanups

Omaha North High School Competitive Robotics Club; Omaha, NE
Member & Team Leader August 2015-2019 | *Volunteer* 2019-present
- Cultivated and grew understanding of program and mechanical design, code, and collaborative teamwork
- Awarded for design, competition, and presentation skills regionally and internationally
- Continued volunteering and mentoring support for both ONHS and other robotics programs

Relevant Technical Skills

Web Technologies – Full Stack Experience
- MSSQL and MySQL scripts to manipulate and retrieve information from company databases
- Processing, sanitizing, and executing HTML and SQL strings and queries in PHP
- NodeJS for backend development
- NPM and ExpressJS to create a modular end-to-end website system
- VueJS and React experience creating modular web user interfaces

Other Languages & Experience
- Python, Java, and C in academic and formal project backgrounds
- Thorough understanding of OOP class hierarchies in supported languages and experience reading documentation
- Advanced Git experience managing multiple branches while collaborating with multiple people
- Experience with BASH shell commands and essential Unix commands for task scheduling and process management

Teamwork Experience
- Several capstone and team projects completed over the course of post-secondary educational career
- Experience presenting and deploying deliverables for sponsor testing
- Dynamically used Agile SCRUM feature development model to deliver well-developed artifacts
- Thorough understanding of GitLab collaboration tools
- Experience creating effective visual artifacts to better-communicate software changes in both team and presentation settings