

Kate Ryan

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Professional Summary

Detail-oriented and dedicated technology educator and software developer with extensive experience in teaching, mentoring, and software development across various platforms. Proven ability to lead educational initiatives in technology and computer science, fostering student engagement and success. Adept at managing high-pressure environments, delivering exceptional customer service, and collaborating with teams to achieve project goals. Proficient in multiple programming languages, including Java, JavaScript, and Python, as well as frameworks such as Vue and Django. Strong communicator, capable of presenting complex concepts clearly to diverse audiences. Committed to continuous learning and leveraging technical skills to drive innovation and efficiency.

Work Experience

Director of Technology Education

Fusion Academy-Greenwood Village, CO

October 2023 to Present

- Led the technology and computer science department as the sole instructor.
- Developed and taught a diverse range of courses, including Web Development, Game Design, 3D Modeling, Coding, and Artificial Intelligence.
- Mentored students in mathematics, enhancing their analytical and problem-solving skills.
- Facilitated extracurricular clubs, including Chess Club and Video Game Club, fostering student engagement and teamwork.

Crew Member

Trader Joe's-Littleton, CO

August 2022 to December 2023

- Led and managed my own section, ensuring efficient operations and a well-organized workspace.
- Responsible for writing orders and taking inventory, maintaining accurate stock levels.
- Operated the cash register and delivered exceptional customer service, enhancing the shopping experience for all customers.

Mathnasium Instructor

Mathnasium-Littleton, CO

March 2023 to October 2023

- Provided personalized math tutoring to students aged 6 to 18, adapting teaching methods to meet individual learning needs.
- Assisted prospective families by answering phone inquiries, effectively communicating program details and enrollment processes.
- Fostered a supportive and engaging learning environment to help students build confidence and improve their math skills.

Assistant Manager

Domino's-Fort Collins, CO

February 2020 to August 2022

- Managed high-volume weekend shifts, ensuring smooth operations and efficient service delivery.
- Oversaw financial transactions, including counting money and making bank deposits accurately and securely.
- Responsible for writing orders and taking inventory, maintaining stock levels and supply accuracy.
- Delivered exceptional customer care, addressing concerns and enhancing overall customer satisfaction.

Software Developer

Mountain Data Group-Fort Collins, CO

July 2020 to January 2021

- Developed applications utilizing JavaScript and Python, enhancing functionality and user experience.
- Gained proficiency in frameworks such as Vue, Django, and Nuxt, applying them to build dynamic web applications.
- Designed engaging front-end interfaces leveraging extensive knowledge of CSS for optimal aesthetics and usability.
- Conducted database manipulations using SQL, becoming familiar with the DataGrip platform for efficient data management and analysis.

Engineering Aide

USDA-ARS-Fort Collins, CO

January 2018 to April 2020

- Developed software primarily in Java and XML for a graphical user interface (GUI) application, contributing to enhanced user interaction.
- Planned and designed various program aspects, creating weekly progress outlines to ensure project milestones were met.
- Prepared and delivered monthly walkthrough demonstrations to superiors, showcasing code progress and functionality of the GUI application through presentations.

Education

B.S. in Computer Science

Colorado State University

August 2016 to May 2020

Skills

- SQL/MySQL
- Linux
- XML
- User Interface (UI)
- Databases
- HTML
- Database management
- JavaScript/React
- Debugging
- GitHub

- Customer service (8 years)
- SCRUM practices
- OOP
- Operating systems
- C++/C
- Python
- Communication skills
- CSS
- Phone etiquette (8 years)
- Full-stack development
- Java
- APIs
- Git
- Organizational skills
- Solidity

Links

<https://www.linkedin.com/in/katherine-ryan98/>