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KADE PITSCH

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EDUCATION

Montana State University	**Bozeman, MT**	**Aug 2016 – May 2021**

- **B.S. in Computer Science**

EXPERIENCE

Python Developer	**Blue Cross Blue Shield**	**October 2022 – Current**

- Member of the payment platform team, my primary responsibility is to implement new logic for users and also maintain our current codebase.
- Utilize our backend system to perform various logical checks on this data, including verifying payment information through 3rd party APIs like stripe.

Solutions Developer	**Zoot Enterprises, Four Corners, MT**	**July 2021 – May 2022**

- Tracked and fixed bugs, refactoring code to better represent the state of the system with better error logging.
- Maintained and oversaw production installs. Using Kibana, MySQL and Linux boxes to track the progress of the install (Java servlet based).
- Proactively created a Bash program to automate the population of the peak season data which reduced manual data entry by 30 days

Python Developer	**MSU, Bozeman, MT**	**February 2020 - November 2020**

- I developed an automated script that efficiently scraped and extracted student names from Dean and President's lists.
- The script inferred student email addresses based on their first and last names.
- I utilized Selenium WebDriver, which facilitated seamless connection with the automation script.
- I also built a prototype that incorporated the LinkedIn API and token access to help connect and reach out to students. Our efforts were hindered by the COVID-19 pandemic, which prevented us from completing the project.

LANGUAGES AND TECHNOLOGIES

- Python, Rust, HTML/CSS, JavaScript, TypeScript, SQL and Bash.
- Git/Github, Svelte/Sveltekit, TailwindCSS, MySQL, Linux, Kibana and Jira.

TECHNICAL EXPERIENCE

Academic Projects

- **Spotify Data Classification:** As part of my project, I utilized a comprehensive data set from Spotify to investigate potential correlations between high-energy songs and their placement on the charts. To conduct this analysis, I used various programming techniques and tools such as Python, as well as specialized libraries like Scikit and NumPy to handle the large and complex data sets involved in this project.
- **Animated Job scheduler:** I developed a website using HTML/CSS and Javascript to create a simulation of how a Central Processing Unit (CPU) schedules jobs in the background. The simulation allows users to select the number and priority of jobs. The website also incorporates animation to enhance the user experience.
- **Catscript:** As part of my senior capstone project, I was responsible for developing a specialized programming language using Java. This involved implementing advanced techniques such as tokenization, parsing, and Java bytecode optimization to ensure efficient and effective performance of the language.

Personal Projects

- **Portfolio Website:** I created a personal website using SvelteKit and TailwindCSS, technologies that piqued my interest at the time. My primary objective was to establish a virtual resume and a platform to experiment with additional ideas. While the complexity of the website was not strictly necessary, my aim was to enhance my proficiency in these tools and to have fun.

ADDITIONAL EXPERIENCE AND AWARDS

- Smoke-jumper Award, award provided by Zoot enterprises for fixing a production issue.
- LEGO first robotics judge (2017, 2018)