Dylan Keen
Computer Engineering | (905) 220-9554 | dkeen@uwaterloo.ca

⚒ SKILLS

➤ Programming Languages: Python, C++, Java, Swift, HTML/CSS

➤ Software Tools: Robot Framework, Postman, MySQL, Linux, Git

➤ Experienced in collaborating in software projects with Atlassian/Jira

➤ Developed critical thinking and communication from DECA business presentations.

➤ Proficient in natural language processing (NLP) techniques, with hands-on experience using ChatGPT and related AI technologies to develop language models and enhance user interactions.

💼 WORK EXPERIENCE

Full Stack Engineer | Relay Financial   Jan - April 2024

- Enforced spending controls for card transactions, demonstrating a full stack approach by updating UI, react redux store, and endpoint managment. Automated tests to mitigate risks concerning blocked vendors or categories
- Implemented push notifications for Relay's app using react-native, enhancing user engagement and retention. Demonstrated proficiency in software development by saving user perferences through in-app settings.
- Added feature flags to dynamically control updates for particular users or organizations. Strengthened the continuous integration pipeline by uploading new builds to Sauce Labs with GitHub actions and fastlane.

Software Developer | Rogers Telecommunications   May - Sept 2023

- Innovatively designed and automated solutions resulting in cost savings of $122,836 per year across all projects.
- Leveraged backend data and REST APIs to develop and optimize project functionalities.
- Applied advanced analytical tools such as Voronoi diagrams and pandas dataframes to extract meaningful insights, contributing to data-driven decision-making.
- Proficiently utilized Python and Robot Framework to streamline processes, ensuring seamless project execution.

App Developer | ZurApps Research   Sept - Dec 2022

- Developed a Swift app for trip planning which allowed ZurApps to market an improved user experience.
- Resolved various bugs in 4 apps that were deployed in the field and increased the number of returned users.
- Delivered robust documentation about testing/running for future users through Git to aid in changes to the app.

☰ PROJECTS, EXTRACURRICULARS, & INTERESTS

- Designed a website that organized albums of photos that were themed and dated. Included features such as HTML transitions and Javascript listeners and buttons.
- Created a portfolio to showcase my projects, share my contact information, and post information about myself using HTML/CSS. Uploaded the website and can be found at dylankeen.space
- Hockey: A long-time goalie, fostering teamwork and discipline.
- Camping: Outdoor enthusiast for socializing and discovering.
- Stock Market Investments: Actively engaged in financial analysis and business projections.

🎓 EDUCATION

University of Waterloo   Sept 2021 - Present

- Candidate for Bachelor of Appied Science, Computer Engineering
- Culmative GPA of 91.6%