Alyson Roh

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EDUCATION

Honours BSc, Computer Science Specialist

University of Toronto, Arts & Science Internship Program Co-op Stream   *Toronto, ON*

- Relevant coursework: Systems Programming, Software Engineering, Databases, Web Programming, Software Design, Data Structures & Algorithms, Computer Organization, Operating Systems, Artificial Intelligence, Design of Computational Media

SKILLS

Programming Languages: Python, Java, C, HTML/CSS, JavaScript, Swift/SwiftUI, SQL(PostgreSQL)
Libraries: Pytest, Swing, Django, React, BootStrap, jQuery
Developer Tools: GitHub, Postman, Jira, Confluence, Zoho
Microsoft Tools: Office Suite, Teams, SharePoint
Languages: English (fluent), Korean (limited working proficiency), French (elementary proficiency)

PROJECTS

Explore Ontario | *Swift, SwiftUI*   Sept. 2023 – Dec. 2023

- Collaborated with Ontario Public Service to develop an iOS app leveraging geolocation to identify nearby points of interest and provide auditory stories of landmarks tailored to user's interests
- Utilized Figma for the design process and implemented the front-end in SwiftUI, while integrating Supabase as the database
- Worked closely as part of a 7 member team, maintaining open communication and meeting interim deadlines to ensure project milestones were achieved successfully
- Engineered features such as speech recognition, authentication, audio playback, and administrative controls to enhance the app's functionality and user experience

PetPal | *Python, JavaScript, HTML/CSS, Django, React, BootStrap*   Sept. 2023 – Dec. 2023

- Developed a pet adoption web application, employing the Django REST API framework for backend functionality and React for the front-end design
- Demonstrated leadership skills as the project lead by effectively delegating tasks and organizing meetings to enhance team collaboration

32 Things To Do | *Java, Java Swing*   Sept. 2022 – Dec. 2022

- Developed a comprehensive to-do list application in Java, allowing users to create, delete, and edit tasks, schedule activities, and access additional features within the application
- Utilized design patterns, clean architecture, and adhered to SOLID design principles to streamline code management and optimize code structure, resulting in effective solutions for the program
- Actively participated in code reviews and conducted extensive (unit) testing, ensuring high quality code

EXPERIENCE

Product Coordinator   May 2023 - Aug. 2023

WellnessLiving Systems Inc.   *Thornhill, ON*

- Led CRB meetings and used critical thinking and judgment to evaluate tickets and potential bugs
- Utilized JIRA and Zoho to manage and reply to inquiries from various sources, closing over 90 tickets in a month
- Conducted detailed competitive analysis of competing softwares and handled tasks from product managers efficiently and promptly