JOSHUA MACHADO

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EDUCATION

Bachelor of Science in Computer Science Sep 2020 – Dec 2024
University of Victoria (3.7 / 4.0 GPA) *Victoria, BC*

EXPERIENCE

Agile Developer Intern Jan 2022 – Sep 2022
SAP *Vancouver, BC*
- Created an automatic system setup job cutting 1-2 days of manual configuration down to 30 minutes using REST API collections and oAuth with UAA to verify the pseudo-service
- Automated and assigned ownership of 34,000+ files to different teams making the process take 95% less time by utilizing Python and Bash with Git
- Designed and produced a Jenkins job to load dummy users onto systems, tested by loading 1,500,000 users at over 10,000 users per hour with peak load and stability using public and internal REST APIs
- Managed GIT branch for 10 teams of 12 developers, maintained two merges every day through monitoring Jenkins CI/CD Pipelines and reverting regressions

TECHNICAL SKILLS

Languages : Python, Java, C, TypeScript, HTML, CSS
Tools : Jenkins, Git, Jira, Gerrit, AppvanceIQ, VS Code, VIM

PROJECTS

VikeLabs CourseUp Jun 2021 – Present
courseup.vikelabs.ca
- CourseUp is an improved alternative course-building tool for students
- Develop new features and maintain integrity of code through bug fixes using TypeScript and React.js
- Work with GitHub for collaboration across the team to implement features
- Get continuous positive feedback from both students and faculty

Concordance Programs May 2021 – Aug 2021
Private GitHub Repo
- Developed multiple concordance programs using C, Python and Regex
- Graded on efficiency, formatting, comments and testing of code achieving a 92% average
- Utilized VIM, GNU Debugger, dynamic memory allocation, linked lists and list comprehension
- Parsed through text files and organized words based on line number and exclusion list

Discord Study Bot Oct 2020 – Dec 2020
JoshoTheMosho/Discord-Study-Group-Bot
- Used Python with discord to develop a study group application
- Allowed students to create virtual study groups and notify other members

VOLUNTEERING

Engineering Faculty Community Moderator Sep 2020 – Present
Discord
- Oversee 4500+ students in an online environment, ensuring it is a safe space and accessible for all
- Provide help and resources to students, upholding university integrity policies