Clint Penafiel

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EDUCATION

University of the Pacific Stockton, CA
Bachelor of Science in Computer Science *January 2022 – December 2023*
- **Relevant Coursework:** Data Structures, Algorithms, Discrete Math, Web Applications, Application Development, Computing Theory, Computer Systems & Networks, Software Engineering, Human-Computer Interface Design, Programming Languages, Operating Systems, System Admin and Security

EXPERIENCE

Infrastructures Intern July 2023 – December 2023
County of San Joaquin *Stockton, CA*
- Set up a Docker Swarm cluster on a Windows 2022 server in a test environment, exploring potential deployment strategies and gaining hands-on experience with container orchestration.
- Implemented a Zabbix monitoring dashboard in a test environment, familiarizing with monitoring tools and their potential impact on system stability.
- Developed and deployed a custom responsive monthly Outlook email to 7000+ employees, exploring optimizations for Office 365 applications.

PROJECTS

Git Gud | *Python, Git* January 2023 – February 2023
- Developed a Python TKinter learning module focused on GitHub branching, enhancing understanding through interactive learning.
- Collaborated with team members using GitHub, VS Code, and Zenhub for version control and project management.

Wise Planner | *Python, CSS, Git* March 2023 – May 2023
- Designed and implemented an efficient PyQt6 To-Do list application, improving task organization efficiency.
- Integrated progress meter, calendar, and "Completed" section features to enhance user experience.

BattleBox | *Unity, Docker, ML* September 2023 – December 2023
- Developed a Unity RTS game with 2D mechanics, implemented machine learning agents to enhance gameplay.
- Explored containerization by hosting the game in Docker for efficient deployment and scalability.
- Collaborated with team members on GitHub for version control and project milestones.

Portfolio Website | *React.js, Node.js, Express.js, CSS3* November 2023
- Designed and implemented a personal portfolio website showcasing projects and skills.
- Utilized React.js for dynamic components, Node.js and Express.js for server-side functionality.
- Styled the website using CSS3 for an aesthetically pleasing and responsive design.
- Hosted on Netlify for seamless deployment and accessibility.

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++

Web Technologies: HTML, CSS, JavaScript, MySQL, Nginx

Development Tools & Environments: Git, VS Code, Eclipse, XAMPP, Zenhub, Docker, Figma, Unity

Libraries & Frameworks: PyQt6, Tkinter, React.js, Node.js, Express.js

Monitoring: Zabbix

Project Management Methodologies: Scrum, Agile