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Winton Gee

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EDUCATION

California Polytechnic State University   San Luis Obispo, CA
Bachelor of Science Degree in **Computer Science**   June 2024

EXPERIENCE

Software Engineering Intern   **Ricoh USA**   **June 2023 - September 2023**

- Developed 8 Golang Lambda functions to interact with SQL servers, increasing scalability by 15%

- Refactored legacy backend code using Golang, reducing technical debt by 10% and improving code maintainability

- Designed serverless architecture using AWS Lambda and RHEL, reducing infrastructure costs by 20%

- Ensured 99.9% uptime by leveraging Postman for API testing, identifying and resolving discrepancies in SQL servers, reducing downtime by 5%

- Integrated third-party APIs with API to enhance application functionality

- Led data migration projects to move legacy data to MySQL, improving data accessibility and security

- Implemented CI/CD pipelines using RHEL, reducing deployment time by 30%

- Improved deployment speed by 10% by adhering to Azure DevOps guidelines, automating deployment processes, and reducing manual interventions

- Developed and integrated monitoring tools for SQL servers, reducing system downtime by 5%

- Maintained code quality and version control using GitHub, resulting in 25% fewer merge conflicts

- Coordinated project tasks using JIRA, ensuring timely completion of milestones

- Containerized applications using Docker, improving deployment consistency and scalability

Software Engineering Intern   **ListIt**   **April 2023 - June 2023**

- Developed a todo list web app, increasing user productivity by 20% using ReactJS

- Achieved 100% test coverage across 57 Golang functions using JEST

- Integrated API for server-side logic, enhancing data processing efficiency by 25%

- Implemented responsive design principles using ReactJS, ensuring the app works seamlessly across devices and screen sizes

- Optimized front-end performance, reducing load times by 30% using ReactJS

- Applied Agile methodologies using RHEL, completing all project sprints on time and within budget

- Integrated MySQL for storing user data, enhancing data management and accessibility

- Reduced merge errors by 50% by implementing CI, ESLint, and Prettier

- Enhanced application security by implementing OAuth authentication

- Incorporated user feedback into design iterations using JIRA, improving user satisfaction by 25%

Software Engineer Intern   **Tribot**   **March 2020 - August 2022**

- Automated character progression and resource collection in an MMORPG game using Golang, enhancing user experience by 40%

- Improved resource efficiency and organization by rewriting code on free products, exploring new tools like ReactJS, MySQL, and RHEL

- Increased task automation speed by 50% by optimizing Golang scripts

- Utilized Golang to develop custom automation scripts, reducing manual effort by 60%

- Leveraged RHEL for continuous monitoring and debugging of automation scripts

- Deployed MySQL to store and manage user data efficiently

- Attracted 250 users by releasing 4 free software automation products

- Enhanced user satisfaction by 30% through regular updates and bug fixes

- Implemented Machine Learning models to predict in-game economy trends, increasing profitability by 25%

- Managed and tracked development tasks using JIRA, ensuring timely completion of project milestones

- Maintained high code quality by implementing code reviews and using GitHub for version control

- Analyzed game mechanics and developed strategies to optimize resource collection, increasing efficiency by 35%

PROJECTS

PantryCraft | JavaScript | HTML/CSS | Python | SQL

- Built a Full Stack recipe generation website using user-input ingredients, handling 100+ requests daily

- Implemented OpenAI for dynamic recipe generation and OCR for simplified ingredient input via receipt scanning

- Utilized React for frontend, Express for backend, and MongoDB for storing recipes and user inputs

Cryptocurrency Trading Bot | Java

- Developed a trading bot to identify market trends and execute trades, achieving a 15% monthly profit

- Applied 6 trading indicators, including moving averages and Bollinger bands, to inform trade decisions

- Processed 5 years of historical trade data using Binance API and Gson API

Hotel Reservation System | SQL | Java

- Created a SQL-based hotel reservation system managing 10,000+ reservations

- Generated personalized reservation options based on user preferences, increasing booking accuracy by 30%

- Implemented robust error handling to ensure date and room availability validation

Tailored Resume Generator | Java | LaTeX | Automation | PDF Generation

- Developed a Java-based program to generate LaTeX resumes tailored to job descriptions

- Integrated LaTeX for high-quality PDF output

- Dynamically generated resume sections: header, education, experience, projects, and skills

- Maintained consistent formatting and alignment across sections

- Provided a user-friendly interface for managing resume data

SKILLS

Programming Languages: Java, Python, JavaScript, SQL, C++, C, Scala, HTML/CSS, Assembly, C#
Software Tools: Git, Linux, MongoDB, JSON, OpenAI, Computer Vision, Spark, REST API, React, Express