**Frans Santoso**

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**OBJECTIVE**

Highly motivated and quick learner, seeking a real work environment performing **software development** related tasks that will make use of software, project management, and leadership skills.

**EDUCATION**

**Bachelor of Science (B.S.) in Computer Science,** Liberty University, Lynchburg, VA Aug 2019 - May 2023

* Specialization: **Software Engineering, Web and Mobile Development**
* Overall GPA: **3.94/4.00**
* Dean’s List – Fall 2019 - Present
* ABET accredited

**EDUCATIONAL HIGHLIGHTS**

* Machine Learning capstone project: working with a private business to train a self-driving car by creating self-driving models using AWS DeepRacer and writing reward functions in Python
* Led a team of students through project planning, business requirements definition, development of software specifications, design of test cases for a software project for a fictional company
* Designed and implemented data structures and algorithms in C++ in the Visual Studio IDE
* Planned, outlined, and developed an MS-SQL database using SQL Server Management Studio

**PROJECTS**

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| [**Wordle Copycat Prototype**](https://wordle-2a2f8.web.app/)**,** Liberty University | Jan 2023 – Feb 2023 |

* Implemented a copy of the popular internet game Wordle developed fully in the React frontend
* Explored webpage hosting using Google's Firebase where the game is fully working
* Took advantage of third-party libraries in order to ease and speed up development

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| **Campus Dating Application,** Liberty University | Nov 2021 – Jan 2022 |

* Developed and built the application prototype in C# using Microsoft’s Xamarin frameworks
* Interviewed individuals from the user base and improved the user experience based on their feedback
* Managed and controlled the application’s source files using Git and GitHub

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| **SMS Website Page,** Liberty University | Feb 2021 – May 2021 |

* Developed a webpage using HTML, CSS, and JavaScript using asynchronous methods (AJAX) including dynamic sending and receiving of messages through SMS
* Produced BASH scripts which automated file transferring and data logging
* Utilized third-party tools, such as smstools3, as well as packages that utilize the Linux kernel

**PROFESSIONAL EXPERIENCE**

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| **IT Front Desk Specialist,** Liberty University, Lynchburg, VA | Sep 2020 – Present |

* Perform troubleshooting and issue resolution for end user computers and phones
* Manage customer interactions and gather requirements for further technical analysis
* Built templates and queries in the ServiceNow platform to automate manual processes
* Provide support and on the job training to junior team members

**TECHNICAL SKILLS**

* **Software Development**: C, C++, C#, Java, Python, HTML, CSS, JavaScript, Node.js, Express.js, PHP
* **Database Development**: MS-SQL, PostgreSQL, MySQL, SSMS, Access
* **Machine Learning**: AWS DeepRacer Machine Learning, AWS SageMaker, AWS SageMaker Notebook
* **Software Development Life Cycle (SDLC)**: Agile, Scrum, Version Control (Git and GitHub)
* **Coding and Problem Solving**: Design and Implementation of Data Structures, Analysis of Algorithms
* **Theoretical Computer Science**: Operating Systems, Theory of Programming Languages, Assembly (x86)
* **Scripting**: BASH, Shell, Perl