Soorya Saravanapavan

4TH YEAR SOFTWARE ENGINEERING STUDENT AT THE UNIVERSITY OF OTTAWA

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Skills

Programming Python, Java, HTML, CSS, Javascript, Typescript, C#, C++, SQL
Technologies React, NumPy, Pandas, OpenCV, .NET, Colab, Jupyter Notebooks, .NET, Git, SVN
Soft Skills Initiative, Leadership, Cross-Team Collaboration, Time Management, Communication

Education

University of Ottawa
BASc Software Engineering *Ottawa, ON, Canada*
Sep 2018 - Apr 2023

- Recent courses completed: Intro to Artificial Intelligence, Design and Analysis of Algorithms, Software Quality Assurance, Software Design and Architecture, Software Requirements Analysis, Programming Concepts with C++

Experience

Telus
Toronto, ON, Canada
Software Engineering Intern *Sep 2021 - Aug 2022*

- Engaged in back-end development to develop a tool with NodeJS and ExpressJS, saving front-line teams 3 hours per day
- Wrote automation scripts in C to streamline process flow and root cause analysis for issues
- Communicated with stakeholders, documented requirements, and added tickets to product backlog for projects
- Utilized JIRA, Github, C#, NodeJS, ExpressJS, Postman

Lumentum
Remote
Software Automation Engineering Intern *May 2021 - Aug 2021*

- Contributed to the ongoing development of automated solutions for optical transport products
- Automated tools and dashboard to visualize and analyze data to improve product performance and quality
- Worked in close collaboration with Optical, Hardware, Mechanical, Software, and R&D teams
- Utilized .NET, C#, SVN, Jira, Jenkins, CodeCollab

University of Ottawa
Ottawa, ON, Canada
Corrector - Introduction to Computing II *Jan 2021 - Apr 2021*

- Evaluated and tested students' code written in Java to identify whether work meets the specifications outlined in assignments
- Demonstrated a strong understanding of abstract data types and software design principles
- Assisted professors to create appropriate questions for assessments

University of Ottawa
Ottawa, ON, Canada
Teaching Assistant - Introduction to Communication and Responsibility for Software Engineers *Sep 2020 - Dec 2020*

- Assisted to teach a software engineering course on the basics of web development by hosting weekly tutorials for students online
- Introduced source code management and version control to first-year software engineering students
- Regularly evaluated student work, and answered questions with respect to course content

Employment and Social Development Canada (ESDC)
Gatineau, QC, Canada
Junior Developer *Jan 2020 - Apr 2020*

- Designed and constructed a database in SQL Server to centralize all Unemployment Rate data from across Canada
- Created applets using .NET framework to streamline the input and output of data to an SQL database for the end user
- Utilized Entity Framework, Excel Interop, C# (.NET), SQL, Java

ZeMA gGmbh (Centre for Mechatronics and Automation Technology)
Saarbruecken, Saarland, Germany
Production Engineering Intern *May 2019 - August 2019*

- Designed and developed a human assistance system for smart production lines to decrease human error and increase efficiency
- Wrote Python scripts using OpenCV, NumPy, and Pandas to find and identify desired items on a production line to workers using cameras in real-time using ArUco markers
- Utilized MQTT and TCP protocols to establish two-way communication with other smart devices within the production line

Entrepreneurship

Software for Love
Remote
Chief Executive Officer *May 2020 - Present*

- Developed a non-profit organization with a team of 60+ developers, designers, and project managers with the end goal of breaking the barrier for software solutions in the non-profit sector
- Directed 10+ software projects over the course of 2 years to help clients in the non-profit sector with challenges that they are facing
- Donated $6000 to local charities in the past year and partnered with Snyk, Google, and TechSoup for infrastructure support