

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

Ottawa, ON, Canada

BASc SOFTWARE ENGINEERING (CO-OP), 3.7 GPA

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 in JIRA for projects

Lumentum

Remote

SOFTWARE AUTOMATION ENGINEERING INTERN

May 2021 - Aug 2021

- Contributed to ongoing development by completing feature requests and completed bug fixes in .NET projects
- Developed and deployed NuGet packages to help streamline the development process for other development teams Utilized Jenkins to automate build, test, and deployment processes in order to ensure performance and quality
- Worked in close collaboration with Optical, Hardware, Mechanical, Software, and R&D teams

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

ZeMA gGmbH (Centre for Mechatronics and Automation Technology)

Saarbrücken, 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 with 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