Vadim Soltan

84 Marathon Ave., Vaughan, ON • 647-919-3121 • soltan.vadim@gmail.com

TECHNICAL SKILLS

● Python	● AWS Sumerian	● Docker	● Balsamiq
● R	● AWS Lex	● Jenkins	● Photoshop
● Java	● AWS S3	● Node.js	● Illustrator
● C	● AWS SQS, SNS	● Artifactory	● After Effects
● JavaScript	● AWS CloudWatch	● Git	● Jira
● Angular	● AWS Lambda	● Jupyter Notebook	

EDUCATION

University of Toronto   Sep 2015 – April 2022
- Honours Bachelor of Science (Double Major in Mathematics & Statistics) – 3.60
- Notable Past Courses
    - Embedded Systems
    - Computer and Network Security
    - Introduction to Machine Learning
    - Design and Analysis of Data Structures

Northview Heights Secondary School   Sep 2011 - Jun 2015
- Cyber Arts and Honors Mathematics, Science and Technology (HMST)

PROFESSIONAL EXPERIENCE

CIBC   Sep 2019 – Sep 2020
Software Engineer - Internship
- Led the design and implementation of conversation, remote management, monitoring, and profiling for a Virtual Assistant using IoT devices.
- Designed and implemented a local wake-up keyword detection mechanism for the Virtual Assistant, leveraging industry ML models.
- Designed and implemented the conversation comprehension, context interpretation, and response generation using AWS Lex as a building block.
- Integrated IoT camera, microphone, ultrasound, and touchless interface devices with the Virtual Assistant leveraging AWS Rekognition, SNS, SQS, and CloudWatch.
- Designed and implemented resilience mechanisms to remotely monitor and manage IoT devices and ensure the overall robustness of a remotely deployed Virtual Assistant.
- Designed and implemented frontend Angular app to integrate with system monitoring APIs, integrating IoT devices.
- Advised 3 other interns about the architecture and implementation of the Virtual Assistant.
- Consistently delivered code and thorough documentation as part of weekly sprints in an Agile environment.

The Health Ecosphere Innovation Pipeline, FedDev, York University   Jun 2017 – Dec 2018
Research Assistant
- Created and formatted research documents and formularies for project evaluation.
- Selected and extracted publications for the literature review.
- Assisted with the logistics of group activities and individual interviews with project partners.
- Printed, filled and completed confidential records.

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The Healthy Way   Sep 2014 – Dec 2014
  Office Assistant

- Assisted with scheduling, organizing and planning patient meetings.
- Received and assisted customers and visitors at the front desk.
- Liaised with patients on a multi-line telephone system.
- Managed patient databases and enter new patient information.

Service@FUTUREtec Ltd.   Jun 2012 – Aug 2012
  Marketing Assistant

- Worked as an online product promotion agent advertising software services.
- Produced, edited, and published online a series of instructional videos for a VoIP service of a company client, using Camtasia Studio, Adobe Photoshop, and Adobe Illustrator.
- Worked independently while providing daily progress updates and refined upcoming tasks in weekly planning meetings with my supervisor.

PROJECT EXPERIENCE

TTC Website User Experience Improvement
- Identified usability issues on ttc.ca using HCI principles and academic research papers.
- Created prototypes using Balsamiq software to solve user identified issues.
- Analyzed prototypes based on real user and social media responses with the Netlytic tool.

Robot Soccer NXT Embedded System
- Designed and implemented an FSM for a robot to play soccer against another robot.
- Built spacial awareness using light sensors and image processing tools.
- Designed and implemented an FSM, which leveraged spacial awareness to control actuators.

Books e-Commerce Website
- Built a website that enabled users to advertise, browse, communicate with others about books.
- Implemented the UI for search, communication, account creation and management.
- Managed sprints for a team of 6 engineers, including reports, completed and upcoming tasks.

Flight Booking Android App
- Built an Android app that enabled users to search for flights, customized with duration filtering.
- Implemented an algorithm to find the shortest path between origin and destination, leveraging a database of existing flights.
- Built an admin interface to add, remove, or import in bulk flights to the database.

EXTRACURRICULAR ACTIVITIES

Big Brothers Big Sisters of Toronto   Sep 2012 – Jun 2015
  Mentor
- Tutoring and helping middle school students with their assignments and schoolwork.
- Provide information and guidance about the transition to high school and available specialized programs like HSMT and Cyber Arts
- Provided help and support on an individual basis