Arshdeep Sidhu

sidhu1998arsh@gmail.com
(519) 818 2777
N9G 2L7 | 4462 Villa Paradiso Cres. | Windsor, ON, Canada

EDUCATION

UNIVERSITY OF WINDSOR
B.Sc. in Computer Science
Conc. in Software Engineering
Windsor, ON
Graduated May 2021
Avg.: 85%

EXTRACURRICULAR

COMPUTER SCIENCE SOCIETY
• Voted by students to become the VP of Finance on the CSS.
• As a society, organize recreational and educational events for students.
• Assisted in making positive change in revamping old courses, and building better relationship with faculty.

LINKS

Github: arshsidhu
LinkedIn: arshsidhu1998
Personal: arshdeepsidhu.com

SKILLS

PROGRAMMING
Proficient in:
Java • Python • C • C# • Angular
Familiar with:
Ruby • Rails • Unity Scripting
C++ • HTML • JavaScript

RECENT PROJECT

3 TIER TODO LIST
Alexa, Discord and Web-based Task Manager
Languages: Ruby, Rails and Python
• Created a Discord bot using the Ruby API. Used CRON tasks to regularly remind the user when tasks need to be completed.
• Developed an Alexa Skill, which allows for users to add tasks by voice commands.
• Created a web application with CRUD functionalities to display all tasks.
• All three mediums connect to the same MongoDB cluster, allowing for seamless data sharing.

WORK EXPERIENCE

GOVERNMENT OF CANADA
STATISTICS CANADA | Software Developer
Nov 2020 – Present | Remote
- Full stack developer on the CPS (Census Processing Systems) team. Working on developing and maintaining multiple tools and applications on the Census processing pipeline.
- Working primarily in C#/.NET along side Windows Forms and WPF.
- Efficiently make adjustments requested by clients in a production environment.
- Regularly work with senior developers to make application design/implementation decisions.
- Effectively follow teams Agile practices, such as regular code reviews, continuous integration and self testing.

STATISTICS CANADA | Software Developer Intern
May 2018 – Aug 2019 | Ottawa, ON
Sep 2019 – Dec 2019 | Remote
- Full stack developer tasked with being the primary developer on the migration of a 2006 Census application.
- Working mainly with C#/.NET alongside Entity Framework 6 and XAML.
- Migrated to newer, more robust technologies. Windows Forms to WPF. SQL Query Building to LINQ Expression Building.
- Eliminated thousands of SQL server side errors which occurred during the 2016 Census. Increased query times by 50% by implementing new database structure.

QUICKEN LOANS | Software Engineer Intern
Jun 2020 - Aug 2020 | Remote
- Full stack developer working in C#/.NET and Angular. Used terraforms and infrastructure as code to set up AWS architecture.
- Developed an application for managing architectural decisions within the office, allowing for easier collaboration between architecture engineers and development team.
- Created a fully responsive front end with custom animations, using the Rocket family of companies styling format. Developed a back end with full CRUD functionalities to allow users to manage architectural proposals.
- Took a part in Agile processes including daily stand ups, biweekly reviews/retrospectives and sizing/planning tasks.

UNIVERSITY OF WINDSOR | Bioinformatics Research Assistant
Sept 2020 - May 2021 | Windsor, ON
- Worked in a Bioinformatics lab researching ways to identify breast cancer.
- Area of focus: Multi-Omics Data Integration using Deep Learning.
- Set up an Stacked Auto Encoder to compress data, which was then used to pass into a classifier neural network.

UNIVERSITY OF WINDSOR | Teaching Assistant
Jan 2018 - May 2021 | Windsor, ON
- Taught weekly labs about different topics correlating to the lectures.
- Multiple different subject areas: C Programming basics, Object Oriented Design in Java, Data Structures and Algorithms, Advanced Web Design.