

Ethan Brydon

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WORK EXPERIENCE

IT Technician, Software Solutions

January 2023 – Current

Employment and Social Development Canada, Enterprise Digital Solutions

Ottawa, ON

- JavaScript • C# • Azure DevOps • MS Dynamics • Visual Studio • Git • Power Platform • Scrum
 - Support client requests and respond to application issues by developing MS Dynamics solutions for applications managed by team, with an emphasis on fast and precise fixes.
 - Developing features using JavaScript and C# for a medical analysis tracking app in accordance with client specifications, collaborating with clients and testers to ensure timely patch release.
 - Collaborating and organizing tasks with software solutions team using Azure DevOps and Git to manage workload and followed a Scrum framework to score and track progress within team sprints.

Junior Programmer

September 2021 – August 2022

Employment and Social Development Canada, Business Operations and Solutions Services

Ottawa, ON

- COBOL • Mainframe • Programmer's Workbench • MS Office • Docuweb
 - Designed and updated utility programs in accordance with client requirements, using techniques and organizational standards learned in my training to process and organize data faster and more efficiently.
 - Analyzed and debugged programs on the ESDC mainframe alongside senior colleagues using a problem-solving approach and critical thinking skills to optimize performance and resolve issues within the software.
 - Investigated and developed a solution for merging and improving logic between essential ESDC programs that handle high levels of data sorting and categorization.
 - Published detailed and organized documentation of changes and improvements made to programs to maintain corporate knowledge and continuity.

APPLIED PROJECTS

Fantasy Basketball Database Web App

February 2022 – April 2022

- JavaScript • NodeJS • CSS • Handlebars • SQL • HTTP • VS Code • Git
 - Integrated SQL logic and queries within Web App infrastructure using various server requests to make for smooth and efficient retrieval and manipulation of data.
 - Designed a database structure by using a schema of functional dependencies, mapping and optimizing them to an ER Model to render my database into 3rd-Normal form.
 - Implemented project management techniques and researched tools to facilitate merging of database and web app which resulted in a smoothly established application using handlebars, NodeJS and SQL.

EDUCATION

BCS. Honours, Co-op Option, Minors in Math and Business

Expected Graduation: April 2024

Carleton University, Ottawa, ON

- Fourth year standing, 10.7/12 GPA
- Carleton A.D. Duntan Scholarship
- Frosh Facilitator (2020)
- Volunteer – Dr. Elizabeth Stobert Human-Computer Interaction Lab (2019)
- Available for 4-month work term beginning May 2023

TECHNICAL SKILLS

• Java • Python • C/C++ • C# • JavaScript • MS Office • CSS • Git • HTML5 • Eclipse • Scrum • Power Platform • Pug • MS Teams • IntelliJ • Linux • REST • MongoDB • Node.js • COBOL • Azure DevOps • VS Code • SQL

INTERESTS

• Cloud Computing • Machine Learning • Data Science • Cyber Security • Football • Video Games • Space Exploration