

Monir Imamverdi

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Education

University of Calgary - Expected Graduation: Jan 2023
Bachelor of Science in Computer Science
GPA: 3.5/4.00

Experience

Clio – Calgary, AB, Canada

May 2021 – December 2021

Software Developer Co-op

- Implemented backend payments system upgrades for compatibility with Stripe API using Ruby on Rails.
- Enabled access to user-facing data by upgrading Ruby on Rails API endpoints.
- Accelerated account error resolution workflows by 105% by creating user interface elements in AngularJS.
- Developed frontend and backend unit and end-to-end tests using Capybara and RSpec.

Cisco Systems – Calgary, AB, Canada

May 2020 – May 2021

Software Engineering Intern

- Optimized test development by abstracting common tasks into shared libraries in Ruby RSpec.
- Contributed to internal visualization tool using .NET and MongoDB to parse and display automated test results.
- Enhanced data visibility by creating functionality for organizing testing information pulled using TestRail API.

Projects

AI Skin Disease Detector – Python, TensorFlow

- Created AI using TensorFlow that identifies skin diseases as part of a three-person team during a 24-hour hackathon.
- Used a data set of 3000 images to train the program to detect diseases with 72% accuracy.
- Experimented with three convolutional neural networks with varying layers to achieve said accuracy.

MedBike Project – C#, Unity, medical sensors

- Developed medical software for clients and doctors to conduct cardiac rehabilitation exercises.
- Interfaced with a heart rate monitor, oxygen sensor, and a smart bike using TCP/IP communications.
- Visualized vital signs tracked through medical sensors in real time in Unity game engine.

Reddit Clone – Java, Android

- Worked in a team of four, using Agile and test-driven-development to produce a Reddit clone app.
- Stored and queried user submissions using an Elasticsearch server as the backend.
- Developed unit tests using JUnit.

Skills

Languages: Python, Ruby, C++, C#, JavaScript

Technologies: MongoDB, Elasticsearch

Frameworks: .NET, AngularJS, Ruby on Rails, RSpec, TensorFlow, JUnit