

Ian B Fleming

Software Engineer, Computer Science

Education

BS in Computer Science
University of Idaho, Moscow, ID
3.57 GPA

August 2020 to May 2024

High School Diploma
Coeur d'Alene Charter Academy, Coeur d'Alene, ID
3.70 GPA

Spring 2019

Relevant Projects:

- **Senior Capstone Design Project**
 - Clients: USDA National Forest Service
 - Developed devices that measure stream velocity
 - Programmed code on Arduino microprocessors
 - Programmed Android app used to control the devices
 - Utilized wireless communication and Bluetooth
- **Micro-controller programming (Arduino)**
 - Programmed simple and reliable code to process sensor data and send it over Bluetooth to an app
 - Master-slave behavior, sequential processing, Bluetooth, and state-machine design
- **Full Stack Project (Django, React)**
 - Created a mock website for a rental store using various back-end libraries such as SQLite3
 - Created my portfolio website with basic UX design and scripting
- **Game development in Unity and Unreal Engine**
 - In a project group, created a dungeon master chessboard style game. Managed the world space and interactions.
 - Developed a game that covers basic modern day implementations
 - First/third-person, interactions, animations, landscape, modeling, user interfaces, etc.
- **Experience in Android app development**
 - Created an Android app that utilizes Bluetooth to communicate with a device
 - Live data feedback, responsive UI, reliable functionality
- **Machine Learning**
 - Using models, I developed machine learning to calculate average forest cover types for the Roosevelt National Forest, Colorado
- **Data Analysis**
- **Basic scripting/optimizations in Window systems**

Professional Experience

The Grove Apartments Moscow, Idaho	Concierge September 2022 to Present
Cosmic Cowboy Grill Coeur d'Alene, Idaho	Line Cook April 2019 to August 2022
Olive Garden Coeur d'Alene, Idaho	Line Cook December 2020 to August 2021
CDA Charter Academy Coeur d'Alene, Idaho	Assistant Tennis Coach February 2020 to May 2021
Fred Meyer Coeur d'Alene, Idaho	Store Clerk November 2017 to February 2018
Roger's Burgers Coeur d'Alene, Idaho	Line Cook August 2016 to July 2017

Software Expertise

C/C++/C#
Python
Full Stack
Java/JavaScript/Kotlin
YACC/Bison
Unix
Windows

References

Herbert Hess, PhD., PE
(208) 885-4341
Professor of Mechanical
Engineering, U of I
Mentor & Instructor

Michael Wilder, PhD.
(208) 885-1549
Professor of Computer Science
University of Idaho

Steve Eller
(512) 470-6711
Cosmic Cowboy Grill
Owner

Brian King
(208) 217-4575
Coeur d'Alene Charter Academy
Head Tennis Coach

Saban Ursua
(208) 725-3384
The Grove at Moscow
Assistant General Manager

Information

(208) 651-7617
ianfleming678@gmail.com

733 Taylor Ave.
Moscow, ID 83843

Ian B Fleming

Software Engineer, Computer Science