

Arhan Banerjee

Computer Engineering

Enterprising programmer with a flair for creating elegant solutions in the least amount of time. Looking to use my programming skills to further enhance efficiency and data management.

Experience

- 2019-09 to 2019-12

Software Developer in Test | Ceridian HCM
 - ❖ Developed new SSO and 2FA modules using Java in Android Studio for mobile users. Reduced load times of end users by 5 seconds per login
 - ❖ Utilized TestNG and Jenkins framework to create automated regression tests and improve overall coverage by 25%
 - ❖ Refactored TimeSheet Activities for compatibility with Android 9 landscape calendar view
 - ❖ Leveraged Atlassian Confluence to more accurately gather metrics on development pipelines and bottlenecks
- 2019-01 to 2019-04


Software Business Analyst | Roots Corporation
 - ❖ Developed and deployed a completely customized internal application for customers to use in editing leather products in store.
 - ❖ Automated multiple business workflows using **MS Flow** to map responses received on the website to internal forms for further analysis
- 2018-10 to 2019-09

Embedded Hardware Developer | TobyX Corporation
 - ❖ Utilized Altium and VHDL to design schematics of FPGAs' and logical gates in Waterloop
 - ❖ Successfully developed a smart smoke sensor for hotels to monitor information using Amazon Web Services

Projects

- 2018-12 to 2019-02

IBM Drone Competition Finalist
 - ❖ Implemented IBM Cloud to program DJI drone for image and object recognition by executing separate workflows
 - ❖ Created a Watson Visual Recognition Instance that used machine learning to recognize and maneuver obstacles in flightpath
 - ❖ Applied NODE-RED and Node.js to create sub flows that dictate the pathways for the drone to follow when not connected to a local host
- 2018-03 to 2018-09






Android Driver Assistance Application 
 - ❖ Designed and developed a fully working application using Android Studio that outputs the current weather with the appropriate icon
 - ❖ Improved data fetch times by 50% by optimizing API calls to update from OpenWeatherAPI

Education

- 2018-09 to Present

B.ASc, in Honours Computer Engineering, at University of Waterloo
 - ❖ Relevant Coursework: Fundamentals of C++, Discrete Mathematics, Digital Boolean Logic, and Calculus 2

Personal Info

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-  arhanbaner.github.io

Programming Skills

- C + +
- Java
- Python

Tools and Applications

- Visual Studio
- AWS IoT Core
- VHDL
- IBM Watson Studio
- Git
- Altium PCB Designer
- Android Studio
- MS Flow
- SharePoint Web Designer
- Postman
- Appium

Interests



Dogs



Archery



Painting



Photography