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 **Software Developer in Test | Ceridian HCM**

2019-12

- 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

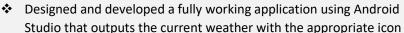
2018-12 to 2019-02

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



Improved data fetch times by 50% by optimizing API calls to update from OpenWeatherAPI

Education

Present

2018-09 to 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



289-440-1558



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github.com/ArhanBaner



linkedin.com/in/arhanbaner/



arhanbaner.github.io

Programming Skills

C + +



Java



Pvthon



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