Arnoldo Rodriguez

http://www.linkedin.com/in/arnoldo-rodriguez
http://github.com//ArnoldoJr/
https//ece.uwaterloo.ca/~a36rodri/AR.html

Computer Engineering
University of Waterloo

Summary of Qualifications

- Excellent knowledge of Android/Java, .NET Framework/C#, C/C++, multithreading, TCP/IP Sockets and Unit testing.
- Android development experience (published apps)
- Hands-on experience on web development (HTML, JavaScript, CSS)
- Proficient in Linux and Bash Shell Scripting.
- Strong analytical and problem-solving skills.

Relevant Experience 💼

Test Automation Developer at Laborie Medical Technologies
Mississauga, ON ▪ May 2018 – August 2018 (Co-op)

- Improved and validated existent tools to speed up the testing of medical devices' software.
- Developed tool to generate reports out of existent Test Plan data.
- Added automation support for test steps related to medical software applications.

System Software Developer at Tigercat Industries Inc.
Paris, ON ▪ August 2017 – December 2017 (Co-op)

- Designed and built new features (full stack) for applications used internally by several departments and customers (C#, MySQL), with positive customer feedback.
- Developed multithread TCP/IP network socket application for transceiver simulations.
- Wrote maintainable and extensible code for web (HTML, JavaScript, PHP) and .NET applications.
- Implemented and documented algorithms for processing and displaying sensor data in C#-generated graphs and reports.

Device Research at Canadian Bank Note Company
Ottawa, ON ▪ January 2017 – April 2017 (Co-op)

- Researched and tested different camera systems for application and cost reduction purposes.
- Developed understanding of digital sensors functionalities and hardware limitations for face recognition systems.
- Used Raspberry Pi for interfacing to camera modules.

Projects 💡

Morse Encoder & Decoder ▪ Android app that transmits and decodes Morse code using the phone camera (among other things). See on google play: https://play.google.com/store/apps/details?id=ca.noldy.www.ledmorse

BlackBerry Spark ▪ Currently working in a team project with the Blackberry Spark Platform as part of the partnership between Blackberry and UWaterloo.

Personal Website ▪ Built a personal website from scratch using HTML, CSS and JavaScript. It also contains more info of other projects, visit at: https://ece.uwaterloo.ca/~a36rodri/AR.html

Arduino Alarm ▪ Using sensors and relays this Arduino program turns a table lamp on in the morning while making some loud noise.

Education 🎓

Candidate for Bachelor of Applied Sciences ▪ (Computer Engineering) ▪ 2016-present, University of Waterloo.

Electronics and Telecommunications Engineering (3.95 GPA) ▪ 2013-2014, Havana University of Technologies (CUJAE).

Bachillerato Diploma. 99.37 avg. ▪ High School

Skills Highlight ‹/›

Languages ▪ C/C++, Android/Java, C#, Assembly, Bash Shell Scripting, SQL, JavaScript, PHP, HTML, CSS and Python (Natural Language Processing).

IDEs and Software ▪ Visual Studio, Xcode, Android Studio, MATLAB, MySQL WB, Eclipse.

Additional Experience 🏆

Military Service, Navy. ▪ August 2012-August 2013. Havana, Cuba.

Silver Medal winner at the National Physics Contest ▪ 2012, Havana, Cuba.

Represented my home town country in the 13th edition of Mini Basket in Piazza International Tournament in Italy.

Active member of UWaterloo Salsa club.