Daniil Budanov

US Citizen
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Skills

- Fluent in Russian and English
- Technical leadership experience
- Technical research and presentation skills

- Experience with Python, C, Java, MATLAB, Simulink, Verilog, EagleCAD
- Utilized MRAA/UPM, mbed, OpenCV, Theano, GNU Radio, and Altera tools

Employment History

Intel Corporation / Software Engineering Intern
June 2017 - PRESENT, HILLSBORO, OR

Supports Intel's MRAA and UPM low-level I/O and sensor libraries. Integrates systems to allow software developers to utilize hardware capabilities of Altera SoC and FPGA platforms. Builds demo to showcase hardware acceleration benefits of SoCs in industrial settings.

Georgia Tech Research Institute / Engineering Co-op
August 2016 -December 2016, ATLANTA, GA

Worked in the **Information and Communications Laboratory;** Projects were centered around software defined radio and involved filter implementation in Verilog, automatic modulation recognition using machine learning techniques, and testbed construction for modeling radio infrastructures.

Intel Corporation / Software Intern
May 2016 - August 2016, HILLSBORO, OR

Built computer vision applications on Intel's IoT hardware for security applications in connected cities and created demo and workshop content to engage computer vision developers in IoT.

Opportunity Research Scholars / Undergraduate Researcher
January 2016 - April 2016, ATLANTA, GA

Research involved the study and modeling of contemporary embedded systems for deployment in wireless sensor networks focusing on ambient energy harvesting and ultra-low-power operation.

Education

Georgia Institute of Technology / B.Sc. in Computer Engineering
August 2015 - PRESENT, ATLANTA, GA
GPA: 3.60 / 4.0

Technical Activities

RoboJackets / Vice President
September 2015 - PRESENT, ATLANTA, GA
Performs administrative duties for Georgia Tech's collegiate competitive robotics organization.

Intelligent Ground Vehicle Competition / Electrical Subteam Lead
September 2015 - May 2017
Led team that maintains and deploys power and embedded systems for a 300-lb autonomous vehicle.

Electrical Training / Team Lead
September 2016 - December 2016
Developed curriculum and managed team that guided incoming members through designing, constructing, and programming an electrical system.

RoboCup / Electrical Subteam
September 2015 - PRESENT
Develops embedded electronics for autonomous soccer-playing robots and assists incoming members with introductory electronics projects.

Major League Hacking
September 2015 - PRESENT
Enjoys attending hackathons and building projects from new technologies in time-constrained environments.