Boris **Ermakov-Spektor**

COMPUTER ENGINEER · SOFTWARE DEVELOPER

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Skills

Programming	C++, Javascript, HTML, Python, Markdown, Java, Bash, LaTeX, MATLAB
Software	Linux, Mac OS, Windows, SolidWorks, Git
Languages	English, Russian(Conversational)

Education

University of Florida   *Gainesville, Florida, USA*

B.S. IN COMPUTER ENGINEERING   *Aug. 2017 - 2021*

- GPA: 4.00/4.00
- Completed Coursework: Programming Fundamentals I/II, Applications of Discrete Structures, Computer Organization, Data Structures and Algorithms, Digital Logic and Computer Systems, Computational Linear Algebra

Experience

Software Contributor   *Miami, Florida, USA*

ADMOBILIZE LLC   *May. 2018 - Jun. 2018*

- Created the majority of end-user documentation with examples in Markdown for entire C++ API.
- Configured Linux and Windows base systems for deployment.
- Wrote scripts in Bash for improving device provisioning and setup, reducing deployment time by half.
- Added user-facing features to C++ API, simplifying user experience.
- Conducted thermal testing on SOC's for product design.
- Worked with development team to help implement and test improvements to mission-critical software.

Hardware Contributor   *Miami, Florida, USA*

ADMOBILIZE LLC   *Aug. 2015 - Jun. 2017*

- Optimized deployment of software onto Linux-based devices.
- Lead inventory management and device assembly.
- Wrote in-house documentation detailing device assembly.
- Developed and tested improvements in device assembly.

Extracurricular Activity

Computer Organization TA   *Gainesville, Florida, USA*

UF CISE   *Jan. 2019 - Maay. 2019*

- Lead discussion section once a week to explain class topics and proctor weekly quiz.
- Hold weekly office hours to assist students with class projects and clarify content.
- Create guides for setting up QEMU emulator.

MIL UF (Machine Intelligence Lab)   *Gainesville, Florida, USA*

MEMBER   *Aug. 2018 - PRESENT*

- Gained knowledge in ROS (Robot Operating System) and Python.
- Created the communications protocol for use in the RobotX competition
- Modified judging GUI using Qt and C++

Projects

Slack Bot

PERSONAL PROJECT

- Wrote a slack bot for text manipulation commands.
- Used Javascript with Serverless framework, hosting bot on AWS Lambda
- Learned Regex for parsing slack tokens.

Symbolic Calculator

CLASS PROJECT

- Team project where we designed a symbolic calculator using fractions for computation instead of floating point.
- Implemented postfix notation parser and helped implement shunting yard algorithm.