Saveliy Sidorov

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EDUCATION & TRAINING

University of British Columbia   *2017-2021*

      Bachelor of Applied Science (BASc) in Electrical Engineering.

Henry Wise Wood High School - IB Programme and Honors   *2014-2017*

WORK EXPERIENCE

Canada Youth Robotics Club / SAGER Education / UniTech   *2019-2019*
- Taught high-school level Math and Physics courses in Wuhan, China
- Outlined and helped produce a middle school curriculum for the Raspberry Pi
- Taught English and robotics to Chinese students aged 6 - 10

Co-op Test Engineer at *General Dynamics Mission Systems - Canada*   *2018-2018*
- Developed test cases for, and tested a variety of communication devices under two GD programs. Testing involved both a hardware and software component, each test was differed in nature.

Co-op Software Developer at *General Dynamics Mission Systems - Canada* *2017-2017*
- Worked on software to automate testing of in-development comms equipment (EvO program). Used LabVIEW, Python and Robot Framework to automate hardware tests.

SKILLS

Technologies
- Java, C, Python and LabVIEW languages
- HTML, CSS and JS for web development
- JS libraries: React, Redux, D3, axios, cheerio
- Node.js
- Azure
- Version control - git and Github
- Django Framework
- RobotFramework
- SolidWorks
- MATLAB
- Verilog
- Altium
- JIRA

Technical Skills
- Project planning and schedule maintenance
- Agile methodologies
- User-level knowledge of Windows OS
- Developer-level knowledge of Linux OS
- Debugging, testing and code optimization
- Basic electrical & circuits knowledge
- Basic networking experience, wired and wireless - IPv4, IPv6
- Basic sheet metal work

EXTRACURRICULARS

Co-creator of ByteCycler.com   *2019-2020*
- Website for crowdsourced sensemaking and news aggregation
- Built frontend with React.js
- Built backend using JavaScript and Azure functions. Formerly using Django Framework
- Used a multitude of JavaScript libraries — axios, cheerio, D3, Redux (formerly)

Writing for personal blog   *2019-2020*
- One of the essays first appeared in the UBC newspaper *The Ubyssey*.

Member of the *UBC Formula Electric* Design Team   *2018-2019*
- PCB prototyping, schematic and layout design (Altium), testing and implementation of brake lights.

Member of the *UBC Mars Colony Design Team*   *2017-2018*
- Design calculations, fabrication, safety officer role.

Founder and Team Captain of the *FIRST® Robotics Competition Team 5897* *2015-2017*
- *Team Captain* - Organized and motivated high school teammates, created and enforced project schedule, raised funds, lead the strategy and design discussion.
- *Programming* - Implemented and maintained the autonomous code.
- *Mechanical* - Design, prototyping and aluminium fabrication.

- *Electrical* - Wiring and soldering electrical components.
- Received the following awards:
  - **geekStarter Certificate of Achievement** (from *Mindfuel,* to Team 5897)
  - **geekStarter Special Award - Most Marketable Project** (from *Mindfuel,* to Team 5897)
  - **Rookie All-Star Award** (from *FRC Western Canada Regional,* to Team 5897)

President of the *FIRST® Robotics Western Canada Student Board*   *2016-2017*
- *Summer camp* - Helped organize a robotics summer camp for elementary school students.
- *Summer project* - Organized a summer design project to help students develop new skills.

Programmer for the *FIRST® Robotics Competition Team 4334*
2014-2015
- Was involved in Java programming, website (HTML), public relations and game strategy.

HACKATHONS

Participant at *nwHacks 2019*, hosted by *nwPlus*   *2019-2019*
- Built a brief proof of concept of a website using HTML, CSS and Javascript, in 24 hrs.

Participant at *LiteHacks Code-Free Hackathon*, hosted at *UBC*   *2019-2019*
- Brainstormed and presented a business idea + business plan in 12 hrs.

Participant at *UBC Local Hack Day*, hosted by *nwPlus*   *2018-2018*
- Built a brief proof of concept of a website using HTML, CSS and Javascript, in 12 hrs.
- Winner of the **LHD Merit: Build** award, for best idea and inspiration. One of six major awards.