

# Saveliy Sidorov

[savsidorov.com](http://savsidorov.com)

[linkedin.com/in/savsidorov/](https://linkedin.com/in/savsidorov/)

[sav01027@gmail.com](mailto:sav01027@gmail.com)

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## **EDUCATION & TRAINING**

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| <b>University of British Columbia</b><br>Bachelor of Applied Science (BASc) in Electrical Engineering + Co-op program. | <b>2017-present</b> |
| <b>Henry Wise Wood High School - IB Programme and Honors</b>   | <b>2014-2017</b>    |

## **WORK EXPERIENCE**

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|---|------------------|
| <b>Unico Power</b> <ul style="list-style-type: none"><li>Implementing the OCP protocol on Unico's smart charging units.</li></ul>   | <b>2020-2020</b> |
| <b>Canada Youth Robotics Club / SAGER Education / UniTech</b> <ul style="list-style-type: none"><li>Taught high-school level Math and Physics courses in Wuhan, China</li><li>Outlined and helped produce a middle school curriculum for the Raspberry Pi</li><li>Taught English and robotics to Chinese students aged 6 - 10</li></ul> | <b>2019-2019</b> |
| <b>Co-op Test Engineer at General Dynamics Mission Systems - Canada</b> <ul style="list-style-type: none"><li>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 differed in nature.</li></ul>                           | <b>2018-2018</b> |
| <b>Co-op Software Developer at General Dynamics Mission Systems - Canada</b> <ul style="list-style-type: none"><li>Worked on software to automate testing of in-development comms equipment (EvO program). Used LabVIEW, Python and Robot Framework to automate hardware tests.</li></ul>   | <b>2017-2017</b> |

## **SKILLS**

- | <b>Technologies</b>  | <b>Technical Skills</b>   |
|--|---|
| <ul style="list-style-type: none"><li>Java, C, Python and LabVIEW languages</li><li>HTML, CSS and JS for web development</li><li>JS libraries: React, Redux, D3, axios, cheerio</li><li>Node.js</li><li>Azure</li><li>Version control - git and Github</li><li>Django Framework</li><li>RobotFramework</li><li>SolidWorks</li><li>MATLAB</li><li>Verilog</li><li>Altium</li><li>JIRA</li></ul> | <ul style="list-style-type: none"><li>Project planning and schedule maintenance</li><li>Agile methodologies</li><li>User-level knowledge of Windows OS</li><li>Developer-level knowledge of Linux OS</li><li>Debugging, testing and code optimization</li><li>Basic electrical &amp; circuits knowledge</li><li>Basic networking experience, wired and wireless - IPv4, IPv6</li><li>Basic sheet metal work</li></ul> |

## **EXTRACURRICULARS**

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|--|------------------|
| <b>Co-creator of ByteCycler.com</b> <ul style="list-style-type: none"><li>Website for crowdsourced sensemaking and news aggregation</li><li>Built frontend with React.js</li><li>Built backend using JavaScript and Azure functions. Formerly using Django Framework</li><li>Used a multitude of JavaScript libraries — axios, cheerio, D3, Redux (formerly)</li></ul> | <b>2019-2020</b> |
| <b>Writing for personal blog / newsletter</b> <ul style="list-style-type: none"><li>I write podcast summaries, translations, personal essays and explainers.</li><li>One of the essays first appeared in the UBC newspaper <i>The Ubyssy</i>.</li></ul>  | <b>2019-2020</b> |
| <b>Member of the UBC Formula Electric Design Team</b> <ul style="list-style-type: none"><li>PCB prototyping, schematic and layout design (Altium), testing and implementation of brake lights.</li></ul>   | <b>2018-2019</b> |
| <b>Member of the UBC Mars Colony Design Team</b> <ul style="list-style-type: none"><li>Design calculations, fabrication, safety officer role.</li></ul>  | <b>2017-2018</b> |
| <b>Founder and Team Captain of the FIRST® Robotics Competition Team 5897</b>   | <b>2015-2017</b> |

- *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.