

Dan Stingaciu

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A Computer Engineering student with a passion for technology and a thirst for knowledge

Work Experience

Web Developer – Engineering Internship, Pratt & Whitney Canada **January – September 2019**

- Worked alongside experienced developers to produce ideas and develop various internal applications
- Participated in Agile style software development team
- Developed visual representation tool displaying links and data points of certification requirements for plane engines via tree interface using D3 JS
- Created statistical analysis tools that filters how different levels of data points connect with the visualization of the statistics via bar graphs and tables using Highcharts
- Improvements to web application UI based on user feedback through an internal ticket system
- Used HTML, Javascript, SVG and the D3 library for visual representation and PHP for backend database calling

Skills

- Proficient with Javascript, HTML, CSS, PHP, Java, C, Python, Matlab and Arduino
- Experience with Linux systems and Linux CLI
- Attention to detail, team oriented and organized
- Excellent communication skills
- Fast learner and multi-tasker

Education

Ryerson University – Computer Engineering **September 2016 - Present**

- Bachelor of Engineering, Expected June 2022

Technical Experience

Electronics Co-Captain, Ryerson CANSAT Team **September 2016 - Present**

- NASA & AAS hosted global competition for designing, building and launching an aircraft along with a payload that simulates many functions of a satellite
- Lead Developer of ground station built using XBEE radios and ground software that collects transmitted data and compiles it visually in Matlab
- Developer of on-board container software that gathers data from onboard sensors using C++ and Arduino environment
- Presenter on the final design of the aircraft for multiple years in front of industry judges
- Collaboration is done on Github for version control of flight and ground software

VP of Development, RU Hacks (Ryerson University Hackathon) **September 2018 - Present**

- Setup and configured hosting & database environment using DigitalOcean as a VM configured with Nginx
- Created a Node.JS application dashboard page with a MongoDB database for the purpose of setting up each applicant's profile and tracking and viewing their applications and application statuses
- Front-end work using HTML, CSS & JS
- Collaborated with fellow team members on Github for version control
- Website Available at <https://www.ruhacks.com>