

hannah
jack
halcro

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Montreal, QC

experience

editor, designer, curator, and aerospace engineer

Aerospace Engineering, Avionics & Control Systems, class of 2020;
Through internships, I've worked in languages like Visual BASIC, C++, and Java, plus SAP, MATLAB, the finer points of Excel.

In my production work I've planned conferences, hackathons, and interactive gallery programming. I am proficient in Adobe Premiere, Photoshop, and Illustrator. I have produced videos and graphic design.

I can use a cash register, a drill, and a vinyl cutting machine, and I can perform a variety of service activities from tracking clothing inventory to waiting tables. I consider myself a hands on problem solver in any environment.

Concordia's 4TH SPACE / Production Assistant

NOVEMBER 2018- OCTOBER 2020, MONTREAL

I co-produced two shows (*SPACELAB* and *TAKE-OFF / TOUCH-DOWN*), and assisted on dozens more.

I aided in the shift to online content: facilitating virtual events, and publishing over 50 hours of event recordings and interviews.

To this day, I continue to do freelance video editing for academic projects.

Space Concordia / President, various other positions

JANUARY 2016 - MAY 2020, MONTREAL

Between 2016 & 2018, I wrote software for a CubeSat, co-planned two conferences & various other events, co-managed a Mars rover competition trip to Utah, US, gave outreach presentations, fundraised for a rocket, and produced this student team's graphic material.

From 2018 to 2020 I held the honour of President, leading the group for two years, through a move and the beginning of the global pandemic.

ISAE SUPAERO / Research Intern

MAY 2018 - SEPTEMBER 2018, TOULOUSE, FRANCE

Built a software double of the ethernet technology ARINC 664 (A664) using UDP communication.

Bombardier inc / Logistics Intern

MAY 2017 - SEPTEMBER 2017, DORVAL

Wrote MS Excel/BASIC macro for SAP part management, saving the Global 7000 wiring department an estimated \$5000 in two weeks.

Matrox Imaging Ltd. / Technical Writing Intern

SEPTEMBER 2016 - DECEMBER 2016, DORVAL

Wrote one section for the Design Assistant software help manual

education

Concordia University / Aerospace Engineering

SEPTEMBER 2014 - MAY 2020, MONTREAL

I am trained at the intersection of mechanical, electrical, and software engineering with respect to air & space craft. For our final project, my team and I created a 360° Camera system operable in space. It is being launched May 2021.

