

Eric Yvorchuk

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[GitHub Profile](#)

Education

B.Sc. – Combined Honours in Physics and Computer Science

University of Victoria (Victoria, BC)

Sep 2016 – Sep 2021

International Baccalaureate Programme Candidate

Glenlyon Norfolk School (Victoria, BC)

Class of June 2016

Relevant Skills/Competencies

Research Skills

- Can assess reliability of sources by noting their academic context, clarity of organization, and appropriateness of writing style
- Can effectively paraphrase and summarize information to avoid plagiarism and to show understanding of information
- Completed Honours project in investigating gravitational lenses from astronomical image survey using machine learning techniques

Problem-Solving Skills

- Can solve complicated problems by breaking them into smaller problems and solving them individually
- Often use similar simpler problems as a basis for approaching complicated problems
- Often work through rough solution of a problem before improving efficiency

Computer Experience

- Four semesters of experience with Java programming
- Experience working with command line using Bash shell
- Experience with Python for physics courses and first/last two co-ops
- Experience with C for software development and operating systems courses
- Experience using Git for software development course and co-ops
- Experience using Linux OS for operating systems course and co-ops
- Experience with JavaScript React from second co-op

Communication Skills

- Can effectively follow instructions and ask for clarification when needed
- Maintain a positive attitude when conversing with people
- Worked closely with colleagues and supervisors during co-op work terms

Work Experience

Research Assistant, Canadian Centre for Climate Modelling and Analysis (Victoria, BC)
May to August 2018

- Wrote scripts with Python that recreated plots about climate data
- Assembled scripts into a package and published to GitLab for other scientists to use
- Created supplemental Python and Bash scripts to make the plot creations semi-automatic
- Gained experience with using coding skills on a large project

Scientific Programmer Intern, Ocean Networks Canada (Victoria, BC)
May to August 2019

- Created components in JavaScript React for hydrophone data player
- Designed mockups for player and made changes to components as needed
- Reported daily progress to team members
- Gained experience with front-end programming and working in a team on a large project

Assistant Programmer, Pacific Climate Impacts Consortium (Victoria, BC)
May to

August 2020/2021

- First co-op: wrapped PCIC's services into web processing services
- Second co-op: developed Flask application to efficiently run streamflow model used by Hydrologic Impacts theme
- Reported progress weekly to other colleagues and every other week to the whole company
- Improved Python skills and gained experience with automated testing, pull requests on GitHub, and Docker containerization platform