
POSITION TITLE: High-School Software Development Intern

JOB LOCATION: Remote

TERM: November 30, 2020 to February 28, 2021

SALARY: \$14.60/hour | Up to 20 hours/week

DEADLINE: November 25, 2020 at 11:59 PM

CONTACT: Andrew MacLean (hightechu@uvic.ca)

These positions are funded through the Canada Summer Jobs Program

SUMMARY

HighTechU is seeking highly motivated high school students to join our team as part-time software development interns. Working closely with industry volunteers, and members of our instructional team, individuals will contribute to open-source software development projects that support HighTechU's vision of a diverse and inclusive technology ecosystem which is accessible to all students in BC. Examples of projects which candidates will be contributing to can be found at: <https://hightechu.github.io/portfolio>

ABOUT HIGHTECHU

Based in the University of Victoria Department of Electrical and Computer Engineering, HighTechU is an innovative learning community for high-school aged youth to make connections, build professional skills, and explore diverse education and career pathways related to technology.

Our Mission

To empower the next generation of innovators on Vancouver Island through real-world, technology-focused experiential learning opportunities.

Our Core Values

At the heart of HighTechU are 6 core values that guide the program: Respect, Resilience, Curiosity, Creativity, Teamwork, Innovation

Our Focus Areas

While HighTechU is constantly evolving, current project collaborations for which this position may be able to contribute include those in the areas of Electrical and Computer Engineering, Computer Science, Quantum Computing, Data Science, and Software Engineering.

KEY COMPETENCIES

- Initiative: *identifying what needs to be done and doing it before being asked*
- Fostering Innovation: *the ability to develop, sponsor, or support the introduction of new and improved method, products, procedures, or technologies*
- Results Orientation: *the ability to focus on the desired result of one's own or one's unit's work, setting challenging goals, focusing effort on the goals, and meeting or exceeding them*
- Oral and Written Communication: *the ability to express oneself clearly in writing and conversations*
- Technical Proficiency: *the ability to demonstrate knowledge and skills in computer programming*

DUTIES AND RESPONSIBILITIES

Include the following. Other duties may be assigned.

- Work effectively within a collaboratively minded, agile team.
- Contribute to a culture of continual learning and personal development.
- Assist in the collection of user's requirements and development of user stories.
- Design and develop wireframes and interactive prototypes of web and mobile features.
- Translate designs and prototypes into high-quality code, using modern tools, including reusable components, and front end libraries.
- Prepare reports, manuals & other documentation on the operation and maintenance of software
- Analyze and resolve technical and application problems.
- Proactively participate in quality control to ensure that software and outputs are functional.
- Design graphical elements such as logos, icons and info-graphics (as necessary).

ELIGIBILITY

As these positions are funded through the Canada Summer Jobs program, to be eligible, youth must:

- be between 15 and 30 years of age at the start of the employment
- be a Canadian citizen, permanent resident, or person to whom refugee protection has been conferred under the *Immigration and Refugee Protection Act* for the duration of the employment
- have a valid Social Insurance Number at the start of employment and be legally entitled to work in Canada in accordance with relevant provincial or territorial legislation and regulations

Note: International students are not eligible for the Canada Summer Jobs program.

QUALIFICATIONS

In addition to the Canada Summer Jobs eligibility, candidates for these positions must also demonstrate:

Essential Criteria:

- Current enrolment as a student in a British Columbia high-school
- Passion for technology and learning
- Strong communication and interpersonal skills
- A problem solver with a keen eye for detail
- Able to engage yourself in a project and enjoy the challenges and processes involved
- Flexible, eager, ambitious, and adaptable to change

Technical Skills:

- Exposure to various programming languages (e.g. Python, C++, Java, PHP, etc.)
- Experience with Agile Project Management Methodologies (Scrum)
- Experienced with source code management systems (GitHub)

Desirable Criteria:

- Graduate of the HighTechU Skills Academy Program