## Job Posting:175393 - Position: S26 Summer Internship- Computational Physics 175393

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| **Co-op Work Term Posted:** | 2026 - Summer |
| **App Deadline** | 11/28/2025 09:00 AM |
| **Application Method:** | Through Employer Website |
| **Posting Goes Live:** | 11/14/2025 03:23 PM |
| **Job Posting Status:** | Approved |

## ORGANIZATION INFORMATION

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| **Organization** | Type One Energy |
| **Country** | Canada |

## JOB POSTING INFORMATION

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|---|---|
| **Placement Term** | 2026 - Summer |
| **<b> Job Title <b>** | S26 Summer Internship- Computational Physics 175393 |
| **Position Type** | Co-op Position |
| **Job Location** | Vancouver, BC |
| **Country** | Canada |
| **Duration** | 4 months |
| **Work Mode** | Hybrid |
| **Salary Currency** | CAD |
| **Salary** | 25.0 per hour for 40 Major List |

**Job Description**

**Job Title: Summer Internship- Computational Physics**

**About Type One Energy**

Type One Energy Group is mission-driven to provide sustainable, affordable fusion power to the world. Established in 2019 and venture-backed in 2023, the company is led by a team of globally recognized fusion scientists with a strong track record of building state-of-the-art stellarator fusion machines, together with veteran business leaders experienced in scaling companies and commercializing energy technologies

If you are searching for the best new ideas and share our vision, join us for a "**Summer Internship- Computational Physics**". This is what you need to know:

**Location:** Vancouver, BC

**Salary:** $25 per hour, 40 hours per week

**Contract:** 12 week contract- Summer 2026 (June 1st Start Date)

**Reporting to:** Senior Scientist

**Your role in the mission:**

In this role you will help develop novel optimization algorithms for the design of our stellarator fusion reactors. You will work closely with our Senior Scientist to write optimization schemes in Python or Julia, and apply them to the discovery of optimized reactors. Proficiency in Python or Julia is required. Experience in scientific computing, high performance computing, and numerical optimization is desirable, as is experience with distributed version control software (e.g. Github) and C++ and Fortran.

- Develop novel numerical optimization schemes in Python or Julia.
- Work closely with Senior Scientists to test and assess the performance of these novel algorithms, and apply them to the design of new optimized stellarators.
- Develop GitHub Actions for building and releasing software, documentation, and unit testing.
- Collaborate with your research colleagues who are mostly Physics PhDs.

•Present your results in regular meetings with your supervisors, and in wider meetings with the Applied Physics team.
•Document your progress within the company's documentation system.
Type One Energy applies proven advanced manufacturing methods, modern computational physics and high-field superconducting magnets to develop its optimized stellarator fusion energy system. Its FusionDirect development program pursues the lowest-risk, shortest-schedule path to a fusion power plant over the coming decade, using a partner-intensive and capital-efficient strategy.
Type One Energy is committed to community engagement in the development and deployment of its clean energy technology. For more information, visit www.typeoneenergy.com or follow us on LinkedIn.

**Equal Opportunity Statement**

Type One Energy is an equal opportunity employer. We value diversity, searching for the best new ideas and remaining open to unique perspectives. Therefore, all qualified applicants will receive consideration for employment independent of race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status, age, or any other characteristics protected by applicable federal, state, or local laws. All qualified individuals are encouraged to apply.

### Job Requirements

**What you'll need:**

• Currently undertaking a degree in computer science, physics, mathematics or a related field
•Excellent written and verbal communication skills.
•Proficiency in Python or Julia.
•Experience in writing unit tests and documenting code.
•Experience in using git and CI/CD pipelines is desirable.
•Experience with C++ or Fortran is desirable.
•Background in scientific computing, numerical optimization, machine learning and high-performance computing is desirable.
•Ability to work independently and closely with senior colleagues.

**Citizenship Requirement** N/A

## APPLICATION INFORMATION

**Application Procedure** Through Employer Website
**Cover Letter Required?** Optional
**Address Cover Letter to** Hiring Manager
**Special Application Instructions**

**Application Link:**

https://typeoneenergy.teamtailor.com/jobs/6760982-summer-internship-computational-physics

**Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website. Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received. Students should submit their applications as soon as they are ready.**