Technical Lead (Intern)

Want to build cutting-edge software that is changing the world? Join our team!

Who we are:

OnDeck delivers software critical for marine conservation. 1 in 5 people on earth rely on fish as a source of protein, and 800 million people rely on fisheries for their livelihoods. With 70% of global fish stocks declining, fisheries around the world are on the verge of collapse. Despite its importance, a third of everything caught at sea is never reported, enabling overfishing to continue unabated. OnDeck builds computer vision solutions that automatically detect catch and bycatch in commercial fisheries and fisheries research. We benefit fishermen by reducing their compliance costs by a factor of 10, and we benefit the world by ensuring sustainable fisheries for generations to come.

Furthermore, we help protect the 300'000 whales/dolphins, 250'000 turtles, and 300'000 seabirds that are caught as bycatch every year with our bycatch detection models.

We are supported by DeepSense, UBC's entrepreneurship accelerator (e@UBC), and a global powerhouse of fisheries scientists from The Institute for the Oceans and Fisheries.

Learn more at ondeck.fish.

How you'll be involved:

As part of our team, you'll be building our cloud infrastructure and ML-ops systems that are truly leading edge. We work with the biggest fisheries monitoring companies around the world to review footage from thousands of boats. Our software could revolutionize marine conservation and fishery science. Join us to help make this happen!

What you'll be doing:

As a full-time engineer on our team, you'll be in charge of developing the cloud software and machine learning infrastructure. There are a huge variety of components that you'll contribute to, from front-end, to database, to deployment and ML ops. NOTE: This position may contain the name “Intern” in the title once hired, but is at the level of a new graduate or early career. Students hired under this position will be expected to be more experienced. We are looking to hire full-time engineers, and thus would be very interested in keeping those in this role to stay on permanently.

As a team working on large-scale systems that are constantly iterating and scaling up and down, we also expect our engineers to build reusable staging and testing CI/CD pipelines and follow our industry standard design principles for understandable, maintainable codebases. Speaking of scaling, we also have work to do developing the orchestration of our deployments and the engineering of various cloud components in our service. In summary:

- Provide technical leadership on high-impact projects.
- Mentor interns and junior full-time engineers.
- Facilitate alignment and clarity across teams on goals, outcomes, and timelines.
- Manage project priorities, deadlines, and deliverables.
- Design, develop, test, deploy, maintain, and enhance large scale software solutions.

How we work:

- We are a startup racing to be first to market: things move fast and you will get significant ownership of mission-critical development.
  - A full-time commitment (40 hours/week) is expected
- We care about saving the ocean!
  - It’s very rare to be able to get paid to save the ocean, we make that possible.
- We love snacks, team snacking adventures are likely.
We are all former interns ourselves, and love building a supportive and collaborative space where everyone loves coming to work.

Speaking of “coming to work”, we work **hybrid**.

- In person 2-3 days/week at UBC Point Grey and Robson Square campuses.
- Flexibility - Want to go traveling with friends around the country? No problem, as long as you take your laptop with you and are able to continue working, we can work together to accommodate.

**NOTE:** This position may be funded by a hiring subsidy program such as Digital Skills for Youth (DS4Y). Some of these require specific conditions to be met, which may include location and PR/citizenship status.

**Minimum qualifications:**

- Experience programming with several of the following languages: Python, JavaScript/TypeScript, C/C++, Go
- Experience working with several or more of the following:
  - web application development
  - cloud development
  - Unix/Linux environments
  - distributed and parallel systems
  - machine learning
  - Networking
- Experience designing cloud system architecture for B2B software
- Ability to speak and write in English fluently
- Either:
  - Student status until at least December 2022, OR
  - Qualify under the DS4Y program:
    - Be between the ages of 15 and 30, inclusive, at the start of the internship,
    - Be a post-secondary graduate (i.e. has completed a diploma or degree following secondary education) at the start of the internship,
    - Not be in receipt of EI during the course of the work placement,
    - Be legally entitled to work in Canada as a Canadian citizen, permanent resident or person who has been granted refugee status at the start of the internship,
    - Reside in BC,
    - Self-assess as underemployed, meaning they are employed below their level of education,
    - and/or hold part-time employment, or are unemployed,
    - Not have completed a DS4Y work placement in their lifetime, and
    - Not be a co-op student.
- Excited to build software that will revolutionize fisheries monitoring as well as fisheries research!

**Preferred qualifications:**

- Previous internship experiences
- Experience with infrastructure as code
- Experience setting up and using CI/CD
- Proficiency using PyTorch or TensorFlow, and other modern machine learning tools and datasets
- Knowledge of containerization & orchestration for deploying at scale
- Experience developing accessible technologies
- Interest and ability to learn other coding languages and frameworks as needed

To apply, please apply in the relevant portal or email your resume/CV to info@ondeck-ai.com

OnDeck is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to age, ancestry, colour, family or medical care leave, gender identity or
expression, genetic information, marital status, medical condition, national origin, physical or mental
disability, political affiliation, protected veteran status, race, religion, sex (including pregnancy), sexual
orientation, or any other characteristic protected by applicable laws, regulations and ordinances. We also
consider qualified applicants regardless of criminal histories, consistent with legal requirements. If you
need assistance and/or a reasonable accommodation due to a disability during the application or the
recruiting process, please send a request via info@ondeck-ai.com.