

The Soul of a Computer

From silicon and carbon to FLOSS

Daniel Pono Takamori

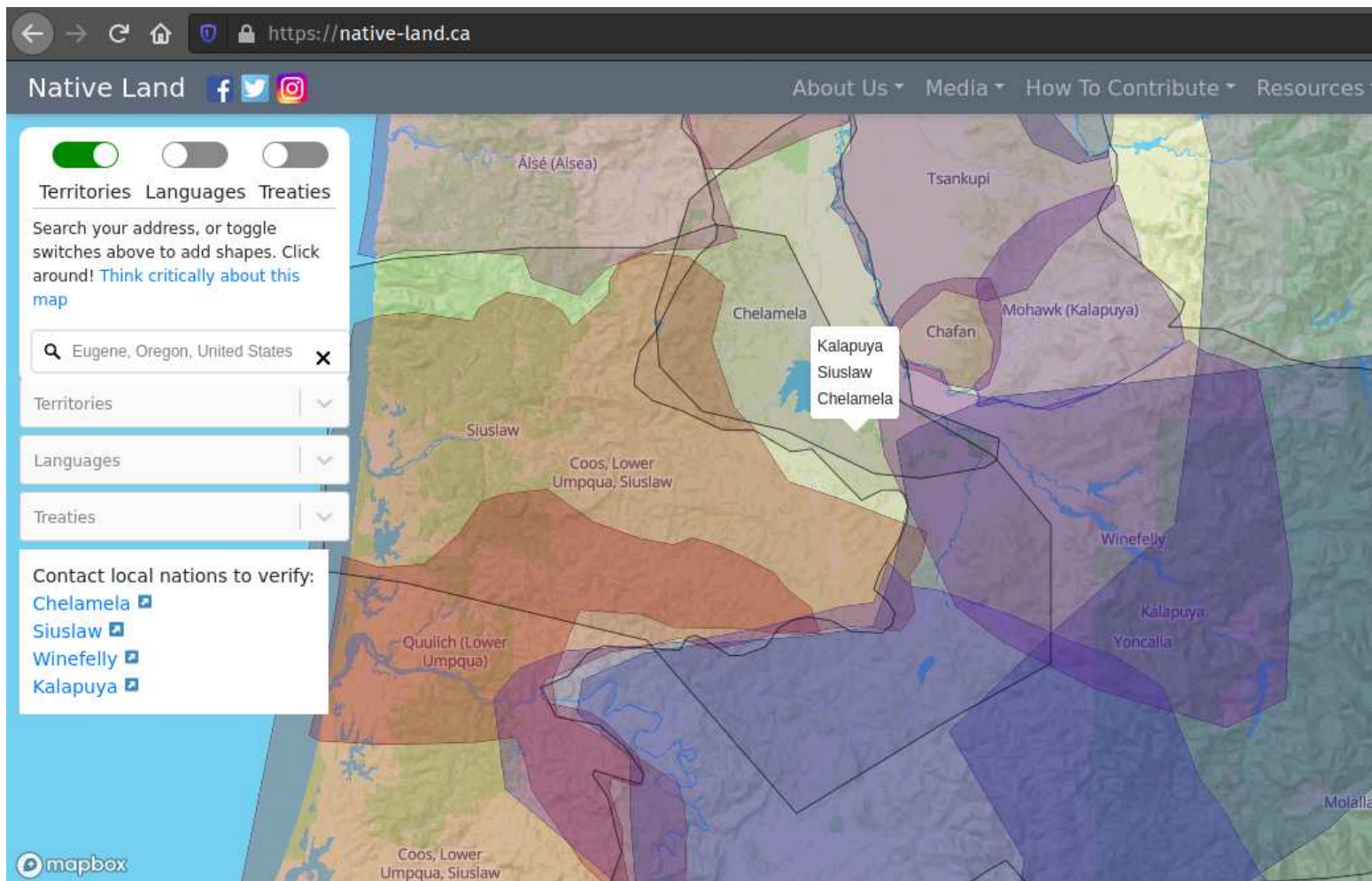
he/him

FOSS person - OSL, The ASF, The LF

like to play go, eat tofu and ride my bike

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@onoforpono





<https://native-land.ca>



<https://native-land.ca>
git branch naming



<https://native-land.ca>
git branch naming
capitalism sucks 🚫



<https://native-land.ca>

git branch naming

capitalism sucks 🇺🇸

thanks to all the amazing BLM organizers

Kimberlé Williams Crenshaw



<https://native-land.ca>

git branch naming

capitalism sucks 🇺🇸

thanks to all the amazing BLM organizers

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privilege

tölva =  + 

what's in a computer?
silicon

what's in a computer?

silicon

→manufacture

what's in a computer?

silicon

→manufacture

→transport

what's in a computer?

silicon

→manufacture

→transport

→electricity

what's in a computer?

silicon

→manufacture

→transport

→electricity

→software



once upon a time...



once upon a time...
resource extraction is exploitative



once upon a time...
resource extraction is exploitative
complicit at every step



once upon a time...
resource extraction is exploitative
complicit at every step
really hard to recycle



closed systems



closed systems

there is no ethical consumption...



closed systems

there is no ethical consumption...

foxconn is a symptom not the problem



closed systems

there is no ethical consumption...

foxconn is a symptom not the problem

things should be more expensive!



fossil fuels are not a part of your design pattern



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☁ use of 80% ram



fossil fuels are not a part of your design pattern

☁ use of 80% ram

AlphaGo



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☁ use of 80% ram

AlphaGo

JavaScript



fossil fuels are not a part of your design pattern

☁ use of 80% ram

AlphaGo

JavaScript

Cooling is a $\frac{1}{3}$ of the energy budget



fossil fuels are not a part of your design pattern

☁ use of 80% ram

AlphaGo

JavaScript

Cooling is a $\frac{1}{3}$ of the energy budget

Green AI



software is people



software is people
community over code



software is people
community over code
enforcement



software is people
community over code
enforcement

building open inclusive communities

email, irc, matrix, jitsi, loomio!



software is people
community over code
enforcement

building open inclusive communities

email, irc, matrix, jitsi, loomio!

ultimately, software is made by people for people



computing (ethically) is hard



computing (ethically) is hard

how do we overcome exploitation at every level?



computing (ethically) is hard

how do we overcome exploitation at every level?

intersectional views are necessary



computing (ethically) is hard

how do we overcome exploitation at every level?


intersectional views are necessary

systemic change through direct action

bibliographia

 Limits to Growth/ Thinking in Systems - Donella Meadows

 Working in Public - Nadia Eghbal

 Planetary Mine - Martín Arboleda

 Dieing for an iPhone - Jenny Chan, Mark Selden, Pun Ngai

 Algorithms of Oppression - Safiya Umoja Noble

 Tech Wont Save Us - Paris Marx

 Green AI - Roy Schwartz, Jesse Dodge, Noah A. Smith, Oren Etzioni

ありがとうございました

SeaGL and friends

Family - Hi mom!

Meredith :)

Carlos Santana