

Dmitry Narkevich

Vancouver, BC, Canada

☎ (+1) 604 506 7105 • ✉ me@dmitry.lol • 🌐 dmitry.lol • 📺 [efskap](https://efskap.com)

PROFILE

I am a Master's student in Language Technology, a field that bridges my two passions — computer science and linguistics. Having been programming since childhood, I have developed an intuition for solving novel real-life problems with code, and I strive for native solutions minimizing resources and bloat. At the same time, I am passionate about the web as a platform for secure cross-platform software, especially now through WebAssembly. My most successful web project, deepfriedmemes.com, consistently has over 90 000 unique users every month.

EDUCATION

University of Helsinki • Finland August 2019 – (June 2021)
M.A. Language Technology

Thesis topic: *Representations of troponymy in BERT*

Identifying structural knowledge of troponymy (and hypernymy in general) within the pretrained BERT model using probing classifiers, masking experiments, and analysis of contextual vector representations.

University of British Columbia • Canada September 2014 – May 2019
B.Sc. Computer Science

WORK EXPERIENCE

Web Developer 2016 – 2019

Sierra Wireless • Richmond, BC, Canada

Started as a co-op, alternated between full-time and part-time as a contractor afterwards.

Despite my job title, I was also unofficially a “special projects guy”, writing initial prototypes of various tools.

Differential Updating

C++, C, squashfs

Extended Android's `imgdiff` tool to create patches between `squashfs` images with variable chunk layout, greatly reducing the size of updates. Co-inventor on a pending patent for this work: [US20200042313A1](https://patents.google.com/patent/US20200042313A1).

Legato.io

Python, Javascript (jQuery), HTML, CSS

Designed and built new landing page for [Legato.io](https://legato.io). Wrote Python scripts to transform existing Doxygen documentation into a modern web interface, and implemented searching with AWS CloudSearch.

IDE Replacement

Typescript, Language Server Protocol (LSP)

Implemented prototype Visual Studio Code extension to replace the platform's old and unmaintainable Eclipse-based IDE. Featured debugging (GDB integration), autocompletion, a tree view of the system and its components, snippets, and syntax highlighting for an in-house definition format.

Legato Python Bindings

C, Python

Implemented automatic generation of Python bindings for a C runtime library and APIs to facilitate writing applications for the Legato IoT platform entirely in Python.

Android Developer 2015

Juvely • Vancouver, BC, Canada

Wrote an Android app for communicating with a new bicycle tracker beacon via Bluetooth Low Energy (BLE).

SKILLS

Computer Languages Go, Python, C#, TypeScript, Rust, JavaScript, HTML, CSS, Java, shell scripting, C, C++, SQL, Lua, F#

Tools Git, Linux, Make, Gerrit, JetBrains IDEs, Vim

Machine Learning PyTorch, OpenNMT, supervised learning, probing classifiers

Web Frameworks Vue.js, Blazor, jQuery

Natural Languages **Native:** English, Russian **Conversational:** Finnish **Basic:** Icelandic, French, Swedish