

Dmitry Narkevich

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PROFILE & PHILOSOPHY

I am currently 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 being fed up with software bloat I strive for native high-performance solutions that minimize resource usage. Despite it not being native, 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 80 000 unique users every month.

I am familiar with frontend web development, Go, C#, Python, Java, and GNU/Linux, with experience in Rust, C/C++, and deep learning with PyTorch.

EDUCATION

University of Helsinki • Finland
M.A. Language Technology

August 2019 – (May 2021)

University of British Columbia • Canada
B.Sc. Computer Science

September 2014 – May 2019

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. Listed as an inventor on a pending patent for this work: [US20200042313A1](https://patents.google.com/patent/US20200042313A1).

Legato.io

Web Dev; Python, Javascript (jQuery), HTML, CSS

In addition to the `legato.io` landing page, most of my work was writing a suite of Python scripts to transform existing Doxygen documentation into a modern web interface, searchable with AWS CloudSearch.

IDE Replacement

Typescript, Language Server Protocol (LSP)

Implemented prototype Visual Studio Code extension to replace the platform's existing Eclipse-based IDE. Featured debugging (GDB integration), autocompletion, system tree view, snippets, and syntax highlighting.

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 initial implementation of an Android app for communicating with a bicycle tracker beacon via Bluetooth Low Energy (BLE).

SKILLS

- Computer Languages: **Go, C#, Typescript, JavaScript, Python, HTML, CSS, Java**, Shell Scripting (`sh`, `bash`), Rust, C/C++, SQL, Lua
- Tools: Git, GNU/Linux, GNU Make, Gerrit, JetBrains IDEs, Vim
- Deep Learning Frameworks: PyTorch
- Natural Languages: Native - {English, Russian}, Beginner - {Finnish, Icelandic}