
Technical Skills

Programming Languages: JavaScript, HTML5, CSS3, Ruby

Frameworks/Libraries: jQuery, Jasmine, Bootstrap, Knockout.js, Rails

Version Control Systems: Git/GitHub

Databases: PostgreSQL

Operating Systems: Windows (98, XP, 8), Mac OS, Linux

Projects

Neighborhood Map -

May 2015

<https://github.com/IuliiaKot/frontend-nanodegree-neighborhood-map>

- Single-page, responsive application built with Knockout.js framework and hosted on GitHub Pages.
- Developed a full-page map that loads with Italian restaurants in New York, NY.
- User can view review from yelp, see more informations about each places (retrieved by AJAX request to Yelp API).

Arcade Game Clone - <https://github.com/IuliiaKot/frontend-nanodegree-arcade-game>

March 2015

- Clone of the classic game, Frogger. Udacity provided the art assets and game engine.
- Coded player, enemies, and other game entities in JavaScript's object-oriented pseudo-classical style.
- Created enemy subclasses with different movement patterns and sprites

Website Optimization -

April 2015

<https://github.com/IuliiaKot/frontend-nanodegree-mobile-portfolio>

- Optimized critical rendering path of existing website to achieve PageSpeed Insights score above 90.
- Eliminated inefficiencies in the website's scroll animation. Site now scrolls at 60 frames per second.

Online Resume - <https://github.com/IuliiaKot/frontend-nanodegree-resume>

February 2015

- Clone of the template resume. Udacity provides basic templates.
- Learn basic JavaScript syntax, which includes manipulating data types (like JSON), building loops and creating functions.

Algorithms: Design and Analysis, Part 1 - <https://github.com/IuliiaKot/Algorithms-Design-and-Analysis-1>

July 2014

- Learn several fundamental principles of algorithm design
 - Learn the divide-and-conquer design paradigm, with applications to fast sorting, searching, and multiplication, how to compute connectivity information and shortest paths.
 - Developed QuickSort algorithm, randomized algorithm for the minimum graph cut problem, Strongly connected components algorithm in directed graphs, Dijkstra's shortest-path algorithm.
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Work Experience

DialogBank - System Administrator

Dnipropetrovsk, Ukraine | June 2010 - March 2011

- Researched, troubleshoot and identified solutions to resolve customer issues related to application use, design and configuration.
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Education

Oles Honchar Dnipropetrovsk National University: Bachelor's degree, Computer Science

2006 - 2010

Oles Honchar Dnipropetrovsk National University: Specialist(Engineer), Computer Science

2010 - 2011

Udacity: Front-End Web Developer Nanodegree

June 2015