

OLEKSII FEDORENKO

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github.com/fedorenkood

EDUCATION —

Case Western Reserve University

August 2020 – May 2023

BS in Computer Science

GPA: 4.0

Brigham Young University-Idaho

September 2019 – July 2020

BS in Computer Science

GPA: 4.0

SKILLS —

Programming:

C++, Java, Python (Libs: NumPy, Pandas, Matplotlib, scikit-learn, etc.), Android Development, MATLAB

Web Programming:

JavaScript, jQuery, Node.js, PHP, CSS3, SASS, HTML5, SQL, Multiple Frameworks: Bootstrap, owl-carousel, animate, pace, etc.

Relevant Coursework:

Data Structures, Software Development, Software Design, Digital Logic Design, Intro to AI, Search Algorithms

Software Skills:

Linux, Git, PuTTY, MySQL, SSH and FTP servers, Microsoft Office

Math:

Multivariable Calculus, Engineering Statistics, Linear Algebra, Discrete Math

Fluent Languages:

English, Ukrainian, Russian

AWARDS —

Dean's High Honors List at CWRU

Full-tuition CWRU Scholarship

SIDE PROJECTS

Android Developer | MasSMS Project

May 2020 – July 2020

- Worked in a team to design an app that can send individual SMS to groups of contacts that can be imported from Excel.
- Designed android app architecture using MVP design pattern.
- Developed conversion methods and worked with JSON
- Worked extensively with SQLite database and Internal memory
- github.com/fedorenkood/MasSMS

Java Developer | Sliding Puzzle Solver Project

August 2020 – October 2020

- I created classes that read, store and manipulate sliding puzzles of any size $n \times m$. The interaction with the puzzle is done through the console commands.
- The main purpose of this puzzle was to implement AI algorithms from scratch that solve the puzzle of any size.
- I implemented A*, beam, and bi-directional A* search algorithms.
- <https://github.com/fedorenkood/8-Puzzle>

WORK HISTORY

Full-Stack Web Developer | Freelance, self-employed

June 2017 – August 2019

- Developed more than 10 websites from scratch, which includes: communication with clients, SEO optimization
- UI and UX: PSD to HTML, Bootstrap, Grid, Flex, animations (transitions, menus, accordion, sliders, carousels, etc.)
- Back-end: Ajax + database (SQL), Installing CMS (WordPress, MODX, OpenCart), e-commerce, custom plugins.
- Managing websites through SSH and FTP (PuTTY, Linux)
- Recent Projects: liddweb.com, tmsintl.com.ua/credits

Teacher Assistant | Brigham Young University-Idaho

January 2020 - July 2020 | Rexburg, ID

- Worked as Teacher Assistant for Computer Science professor in 4 C++ and Python sections.
- Graded more than a 1000 of coding projects and homeworks
- Oversaw the Computer Science help lab
- Supervisor: Nate Phillips, Computer Science & Elec Eng. Faculty, +12084967625, phillipsken@byui.edu

Math Tutor | Brigham Young University-Idaho

January 2020 - July 2020 | Rexburg, ID

- Tutored college students in Trigonometry, College Algebra, Pre-calculus, Calculus, Statistics, Linear Algebra.
- Conducted more than 300 tutoring sessions.
- Supervisor: Daniel Baird, Academic Support Centers Faculty, +12084964276, bairdd@byui.edu