

Nikita Polyakov

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Education

DePauw University | BA in Computer Science

Expected Graduation May 2022

Dean's List (GPA 3.5+)

DePauw Men's Swim and Dive Team Athlete

Relevant Coursework

Computer Science I, Data Structures, Mastering C/C++, Object Oriented Software Development, Writing in Computer Science, Foundations of Computation, Programing in Python, Artificial Intelligence, Computer Security, Database & file, Systems, Data Mining, Research in Deep Learning,

Technology Skills

Languages: JS, TypeScript, GO, Python, Java, SQL, C++, C#, English, Russian.

Topics: Software development, Full-stack, Front-end, Back-end, Web development, Object oriented programing, Functional programming, Machine learning.

Technologies: HTML, HTTP, HTTPS, REST, CSS, TensorFlow, NumPy, Three.js, Cannon.js, Adobe XD, Git, MongoDB, Node.js, NPM, Webpack, Heroku Postman, auth0, Linux, Windows, PowerShell, VSCode, Web API, SEO, Neural Networks, Assembly language PEP9, TCP /IP.

Projects

Campus Delivery Service | Feb 2022 – May 2022 | <https://www.polyakov.tech/delivery>

- Built a full-stack website service only for student use as my senior seminar project. Students may use this service to order food or earn money by fulfilling deliveries.
- Refactored Polyakov.tech GO server code to include service routes and use a 3rd party API (PayPal/Venmo) for payment handling.
- Added calls to the Auth0 API for security in transactions, CRUD actions for fetching user information from MongoDB.
- Used webpack and typescript to create and maintain a custom front-end framework.

Convolutional Neural Network | Jan 2022 | github.com/NikitaPoly/Fashion-MNIST-Models

- Participated in an intensive winter course about deep learning and neural networks by building models using the MNIST and Fashion-MNIST databases.
- Trained a neural network to identify articles of clothing based on a colored photo.
- Built a python program using TensorFlow and NumPy to compile and test multiple convolutional models to find the most optimal model for classifying clothing items in photographs.

Full-stack Website | May 2020 – Dec 2021 | <https://www.polyakov.tech>

- Independently learned and built a profile website using Node.js. Later improved the back-end to run GO for its speed and better run time stability.
- Used HTTP to connect client to a Heroku server with a REST API. Connected contact page to MongoDB instance using CRUD actions with NodeJS, and later GO.
- After deployment monitored and structured HTML for optimal SEO.

Relevant Experience

Code Ninjas | Code Sensei / Code Instructor | Oct 2020 – May 2021 | Sammamish WA

- Taught up to 12 daily students the basics of JS, HTML, CSS, and web development in a class setting.
- Tasked with hosting a local hackathon created by Code Ninjas for students to compete in making games with JavaScript. Directed a team of 3 peers to ensure the event went as planned by Code Ninjas and provided participants with occasional technical hints.

Kaspersky Labs | IT Training Course Translator Intern | Sep 2016 – Aug 2017 | Seattle WA

- Responsible for the complete and correct translation of the IT training program for new Kaspersky employees from Russian to English and vice Versa.
 - Part of the team tasked with translating the ICS Certification Kaspersky web content.
 - Gained an understanding of basic IT and development topics, as well as experience working with front-end web technologies.
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