

Nikita Mashchenko

312-838-3697 | [email](#) | [linkedin](#) | [github](#) | [website](#)

EDUCATION

University of Illinois at Chicago

Bachelor of Science, Computer Science

Chicago, IL

Aug. 2019 – May 2023

EXPERIENCE

Software Engineer Intern

January 2023 – May 2023

Bloom Credit

Chicago, IL

- Developed a REST API using Flask and MongoDB, enabling users of the company's API to test the data received from other internal APIs and ensure its functionality.
- Utilized Docker to launch a local MongoDB instance and packaged the Flask application into a Docker container using the Factory Pattern to simplify testing and deployment processes.
- Implemented the Model-View-Controller (MVC) pattern to ensure code maintainability and scalability.
- Conducted extensive unit and integration tests to verify the functionality of the application before deploying it to production.
- Successfully spearheaded the development of a series of robust internal tools specifically designed to enhance our company's clients' data handling capabilities.

Teaching Assistant

August 2022 – January 2023

University of Illinois at Chicago

Chicago, IL

- Revising lesson material with students individually or in small groups in CS342 (Software Design) class
- Explaining challenging Java related material as well as famous programming patterns (Singleton, Bridge, Builder, etc.)
- Grading homeworks/quizzes for correctness, code style, etc.

PROJECTS

Hack Duels | *NextJS, Supabase, PostgreSQL, Websockets*

March 2023 - April 2023

- This platform serves as a dynamic arena where developers from diverse backgrounds can effortlessly host exhilarating coding duels, fostering healthy competition and stimulating growth within the developer community.
- Developed a coding duels platform that utilized ChatGPT, an advanced language model, to generate coding tasks and test cases. Integrated with the Judge0 API, the platform compiled code and provided essential data such as compilation time and memory usage. This implementation ensured efficient evaluation of submissions, optimizing performance and enhancing user experience.

Teameights | *ReactJS, NestJS, MongoDB, Redux, Docker, Websockets, React Query*

July 2022 – Present

- Developing a hybrid platform that combines elements of LinkedIn and LeetCode, allowing developers worldwide to connect, collaborate on projects, participate in hackathons, and more.
- Supervising a team of four developers (including both web and iOS developers) and two designers.
- Rewrote the entire backend codebase using NestJS and implemented unit tests for all modules for better code maintainability and scalability.
- Deployed both frontend and backend to heroku and setup github actions to test the application before merging to specific branches and deployment.

AWARDS

DemonHacks Hackathon 2022 Winner | *ReactJS, Supabase, PostgreSQL, AWS*

November 2022

- Me and my teammate developed a full stack application, virtual marketplace for safe candies exchange for Halloween in 24 hours
- Implemented real time updates for both users (by subscribe to real time changes in PostgreSQL)
- Won in two nominations (best overall AND best marketplace)

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript/Typescript, HTML/CSS, Go

Frameworks: React, Node.js, Flask, JUnit, NestJS, Material-UI, Styled-Components, NextJS, Tailwind