

# DENNIS PAVLYUK

## Software Engineer & React Developer

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Rochester, NY

### EXPERIENCE

#### Lead Developer

12/2021 - Ongoing

##### Mic Check

Austin, TX

A social-media application to connect bands, venues & promoters distributed on web & mobile platforms using NextJS and TypeScript. Users can find shows and visualize usage data using ReCharts

- Implemented UI designs from Figma into optimized MUI v5 React components
- Mentored junior front-end developer on modern React development patterns

#### Front-End Development Instructor

04/2021 - Ongoing

##### Monroe Community College

Rochester, NY

A nightly course teaching students the fundamentals of modern CSR web-application development

- Teach classes on skills & tools for modern Frontend Developers from the basics to React w/ NoSQL Firebase database
- Help develop curriculum & teach CSS3 technologies, Git Bash, and Big-O Notation

#### Freelance Full-Stack Developer (Serverless JAM Stack)

08/2020 - 01/2021

##### Kalyana-UAFGR

Rochester, NY

A local non-profit organization preserving Ukrainian Folk Dances

- Created a React CRUD Application that implemented Firebase Firestore & Serverless Functions for dancer registration
- Processed payments with ExpressJS in a Serverless Function via Stripe API

#### Computer Science Tutor

02/2020 - 05/2021

##### The College at Brockport (Educational Opportunity Program)

Brockport, NY

Liberal Arts College located in Western New York

- Guided my student to succeed in understanding Object-Oriented Programming using SOLID design patterns
- Provided a multitude of resources in Java 8 development and taught the programmer's paradigm

### PROJECTS

Search & Rescue UAV w/ Machine Learning Human Detection:

<https://docs.google.com/document/d/12oLhu1HgHgBghTIKkQNgJJd8vTIUWh6d8u7zuKQ-S88/edit?usp=sharing>

NVIDIA 3080 In-Stock App: <https://github.com/dpsoccerdude101/Kyles3080>

Infix to Postfix Calculator: <https://github.com/dpsoccerdude101>

Portfolio: <https://github.com/dpsoccerdude101/dpsoccerdude101.github.io>

### EDUCATION

#### B.S. in Computer Science & Philosophy

2018 - 2022

##### The College at Brockport State University of New York

#### Front-End Development Professional Certification

2019 - 2020

##### Monroe Community College



### CERTIFICATION

#### Javascript Data Structures & Algorithms

FreeCodeCamp (March 2020)

#### Front-End Libraries

FreeCodeCamp (March 2020)

### SKILLS

TypeScript · JavaScript · NoSQL · Git ·

NextJS · ExpressJS · MUI · NodeJS ·

Python · Web Components · CSS3 ·

NVIDIA cuDNN

### STRENGTHS

#### ★ Technical Leadership

Granted Lead Development role at Mic Check after increasing productivity by assuming technical product ownership.

### ACHIEVEMENTS

#### 💎 Undergraduate Research Award (SUNY Brockport) [UAV w/ ML Human Detection]

Integrated an object-detection ML algorithm in a fixed-wing drone made for search & rescue missions & presented my findings at NCUR.

### LANGUAGES

English	Native
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Ukrainian	Native
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### PASSIONS

♥ Neuroscience

♥ Applied Cryptography

♥ Economics/Game Theory