

Niko Sward

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Portfolio: <https://theneekz.github.io> | GitHub: <https://github.com/theneekz> | LinkedIn: [linkedin.com/in/nsward](https://www.linkedin.com/in/nsward)

SKILLS

Proficiencies: Node.js, Express, React, Databases using SQL, PostgreSQL, Sequelize, JavaScript (ES6), HTML5/CSS, Redux, JSX, Git, AJAX, RESTful Web Services, JSON, Travis CI, Jasmine, Mocha, Chai, Microsoft Teams, and Asana.

Knowledgeable in: C, Python, Swift, AWS (EC2), Firebase, Flask, Mobile Apps, Webpack, Babel, and Raspberry Pi OS.

SOFTWARE ENGINEERING PROJECTS

Siq Beets, Collaborative Team Project, Javascript, (07/2020 - Present)

Interactive single page web application for sampling, looping, and saving audio.

- Developed with Node, React, Redux, Tone.js, Express, Firebase and Travis CI.
- Stores mp3s in Firebase Storage, runs a Firebase Functions Express server, and samples audio with Tone.
- I contributed a React keyboard for triggering Tone Samplers, all mp3s used for sampling, the drum machine, save/load functionality with Express/Redux/React and various functionalities in Node.

<https://siqbeets.com/> | <https://youtu.be/sviOr9N4ZQY>

Utonium E-commerce App, Collaborative Team Project, Javascript, (06/2020)

E-commerce single page web app that allows users to register, login, browse, and purchase products.

- Developed with Node, Express, React, Postgres, Axios, Express-session, Passport, Redux, and Sequelize.
- I contributed Sequelize models, seed files, order API routes, order and cart management in Redux, Mocha/Chai tests, and converted wireframes from HTML/CSS to React and JSX.

<https://github.com/theneekz/GraceShopper> | <https://youtu.be/mkTwPzzaDo8>

Friendly Paws Scheduling App, Solo Project, Javascript, (06/2020)

Single page web app where dog owners can sign up for grooming appointments.

- Developed with Node, Express, React, Axios, PostgreSQL, Moment.js, and Firebase authentication.
- Sign up/login using react-firebase hooks and book appointments through Axios to a PostgreSQL database.

<https://github.com/theneekz/TheFriendlyPawsGroomingShop> | <https://youtu.be/hbB-KrrC86c>

Paper Trading Web App, Solo Project, Python, (05/2020)

This full stack web app allows users to register an account and proceed to manage portfolios of stocks.

- Developed with Python, Flask, Sqlite 3, Jinja, and HTML5/CSS.
- Check real stocks' actual prices and portfolios' values.
- Buy and sell stocks by querying IEX for stocks' prices.

https://youtu.be/d98w_qLlvh4

WORK EXPERIENCE

Music and Wellness Teacher, Fusion Academy, Chicago, IL, (07/2018)-(03/2020)

- Created personalized curriculum for 15 - 20 students per semester that reflected mastery of student abilities compulsory to receive accreditation from the State of Illinois for grades 6-12.
- Collaborated with other teachers on multidisciplinary projects customized for each student.
- Submitted daily charting to parents on behavioral, academic, and emotional goals for students.

Paraprofessional/Therapeutic Assistant, Blue Bird Day School, Chicago, IL, (01/2018)-(08/2018)

- Collected data in 4 - 5 sessions per day for groups of 2-3 clients.
- Prepared 16 - 20 lessons weekly for students with autism spectrum disorder, sensory processing disorders, and other developmental challenges.

Board Operator and Promotions Coordinator, Entercom Radio, Chicago, IL, (04/2016)-(08/2018)

- Operated a mixing board while programming/reading on air content via Audiovault.
- Scheduled audio with MusicMaster to match 4 different stations' formats.
- Completed office duties using Microsoft Office programs, PRF System, Triton Digital, and Eventful.
- Created logos, templates, and signage for contests and promotional events.

Regional Director, FineArtsMatter, Chicago, IL and Springfield, VA, (08/2015)-(12/2017)

- Co-ordinated, supervised, and programmed Guitar and Piano classes at 6 schools per week.
- Networked, interacted and communicated with all possible stakeholders.
- Hired, trained, and coached other instructors in the Chicagoland area.

CERTIFICATIONS AND EDUCATION

Certificate in Full Stack Web Development, Fullstack Academy, Chicago, IL

Certificate of Completion: Introduction to Computer Science, CS50x through Harvard University on Edx.org

Bachelor of Music Performance: Classical Guitar, Virginia Commonwealth University, Richmond, VA