

Niko Sward

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SKILLS

Proficiencies: Node, Express, React, Databases using SQL, JavaScript (ES6), HTML/CSS, Redux, JSX, Git, AJAX, REST, JSON, Tone.js, Travis CI, Jasmine, Mocha, Chai, and various APIs.

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

SOFTWARE ENGINEERING PROJECTS

Siq Beets, Group 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/dE72f3lbea0>

Utonium E-commerce App, Group 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)

- Taught third through sixth grade Guitar and Piano at 6 schools per week in groups of 15 students.
- Hired, trained, and coached other instructors in the Chicagoland area.

CERTIFICATIONS AND EDUCATION

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

Certificate of Completion, CS50x through Harvard University on Edx.org

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