

# NICK KUEK

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**SKILLS** React, Redux, Redux Saga, Redux Toolkit, JavaScript, TypeScript, Python, Express, Socket.IO, Flask, SQLAlchemy, Sequelize, PostgreSQL, HTML5, CSS3, Mocha, Chai, Pytest, Node.JS, TDD, OOP, Git, Heroku, AWS, Agile, GraphQL, Docker

## PROJECTS

**WhatsAppening** | *React, Redux, JavaScript, MaterialUI, Socket.IO, Express, Sequelize* [live](#) | [github](#)

*A full-stack clone of the popular messaging application, WhatsApp*

- Showcased React and Redux proficiency by creating a mobile-friendly, responsive, single-page application
- Integrated AWS S3 for upload capability of user profile and chat room images
- Designed full CRUD functionality for contacts, messages, users, and chat rooms using Redux for optimal user experience
- Implemented live chat functionality between groups of 10+ users by using Socket.IO to create web sockets

**SortEd** | *React, JavaScript, CSS, MaterialUI* [live](#) | [github](#)

*A simple, sleek, interactive sorting algorithm visualizer*

- Created custom animation function to visualize bubble sort, insertion sort, selection sort, quick sort, and merge sort
- Designed fully functional theme picker and ability to customize animation speed and array size to enhance user experience

**Discordance** | *React, Redux, Flask-Socket.IO, Socket.IO, JavaScript, Flask, Python* [live](#) | [github](#)

*A full-stack clone of Discord, a popular messaging and gaming application*

- Collaborated with a small team utilizing Github workflow to work on multiple features simultaneously
- Researched and successfully implemented web sockets in Python to enable live chat within servers
- Mentored team members on React, Redux, and web sockets to ensure a mutual understanding of the code

## EXPERIENCE

### Frontend Engineer

*Sedaro Technologies*

**July 2021 - Jan 2022**

- Designed robust frontend middleware to algorithmically generate model relationships, CRUD redux actions, redux sagas, and redux store selector hooks for 30+ models using Redux Toolkit and normalizr
- Generated data parsing functions to algorithmically aggregate backend data for chart visualization in the frontend
- Forked and customized Masonry layout npm package to create a highly customizable, responsive, and performant component wrapper by integrating Material-UI breakpoints and including a debounced window resizer
- Improved legacy code by refactoring duplicate code into DRY, portable, customizable components

### Emergency Medical Technician

*Grady Health System / Delta Ambulance*

**Sept 2019 - Aug 2020**

- Responded to 6+ medical emergencies throughout the Greater Atlanta area every 12-hour shift
- Collaborated with partner and medical team to enact split-second medical decisions through clear, concise communication and critical thinking
- Administered oxygen and nebulizer therapy to COVID-19 patients

### Emergency Department Medical Scribe

*Emory University Hospital*

**Apr 2018 - Sept 2019**

- Developed macros within the medical charting system to boost typing speed from 80wpm to 120wpm over 2 months
- Trained and oversaw groups of 3+ medical scribes every other week by shadowing their shifts and providing constructive feedback

## EDUCATION

### App Academy

*Intensive 2000+ hour full stack web development bootcamp with < 3% acceptance rate*

**Nov 2020 - Apr 2021**

### Grady EMS Academy

*Advanced EMT (AEMT) License*

**Mar 2019 - July 2020**

### Emory University

*Bachelor of Science in Biology*

**Aug 2014 - May 2018**