

# John Robinson

## Software Engineer

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## Experience

### Sr. Front-End Software Engineer

Jun. 2022 - Present

#### Canoo - Torrance, CA

- Utilizing React and NextJS to engineer vehicle-connected web applications while managing complex continuous data streams through both AWS and Google Cloud backend stacks
- Engineered and successfully delivered to the public an immersive 3D virtual showroom; a world for customers to explore our offerings. Leveraged WebGL, ThreeJS, and React
- Designed and built an Augmented Reality experience, then led its demo at the Google Next 2023 conference. Virtual Reality goggles allowed users to explore and sit in a real Canoo vehicle, with virtual overlays and CTAs to learn more about the vehicle
- Technical Lead on a proof-of-concept Progressive Web App. Successfully delivered a mobile app to the US Military to assist in testing our physical products. Continuously integrating feature requests after mobile app exceeded expectations

### Full-Stack Software Engineer

Feb. 2019 - Jun. 2022

#### P.C. Richard & Son - Farmingdale, NY

- Learned React and backend language RPG, then engineered our first full-stack React application within one month of employment
- Conceptualized, designed, and led a full-stack React framework/portal revolutionizing how internal business is done. Implemented continuous delivery using Git and Jenkins, bringing our React app life cycle down from months to days
- Developed our business-critical secure mobile payment system during COVID-19, allowing our company to remain operational, rehire thousands of furloughed sales personnel within days, and generate additional revenue of \$65 million from March through July 2020

### President

Apr. 2019 - Jun. 2022

#### Long Island Systems User Group - Westbury, NY

- Led 13 person board and coordinated monthly meetings, hosting industry speakers discussing a range of IBM topics
- Presented as a speaker on both technical and non-technical topics to audiences of 30-50 people

### Full-Stack Web Developer

Sep. 2017 - Jan. 2019

#### SUNY Geneseo - Geneseo, NY

- Independently designed, engineered, and deployed a PHP web app course management system for admin and students
- Architected a new database and migrated data from old schema using SQL

## Education

### State University of New York at Geneseo

Graduated Magna Cum Laude, May 2018

B.A. in Physics (3.73), B.A. in Mathematics (3.97)

ΣΠΣ Honor Society, Dean's List, Physics Club President

## Skills

+ React + NextJS + Node + ThreeJS  
+ HTML + CSS + JavaScript  
+ TypeScript + Python + SQL + DB2  
+ RPG + IMB i + SEO