

# ROY SCHOR

## Software Engineer

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### Professional Experience

#### Full-Stack Software Engineer | PayTaxAPI & SUI Team | Justworks New York, NY July 2024 - Present

I design scalable systems that streamline operations, reduce costs, and drive multimillion-dollar revenue growth.

- Co-architected and deployed a full-stack document workflow integrating DocuSign APIs, automating processes to save 11,000+ operational hours and cut annual costs by \$300,000.
- Led, Designed, and implemented a high-performance rates processing tool with dynamic inline editing, efficiently handling 300,000+ customer rates and driving over \$30M in revenue.
- Engineered secure and efficient API integrations, including a seamless connection with Justworks' payroll functionality, enabling over 7 million weekly requests across microservices and enhancing system resilience and cross-functional team collaboration.

#### Software Engineer Intern | Benefits Billing Team | Justworks

New York, NY  
June 2023 - August 2023

Solved a pertinent issue facing internal customers scoped to be front-end, back-end, and test bench

- Interviewed stakeholders from multiple teams and wrote a tech discovery based on needs.
- Architected project workflow, developed an MVP, and deployed it to production.
- Refined in final weeks of internship to add additional customer-specific needs used weekly by over 4 internal teams to access customer critical information.

#### Software Engineer Intern | Employer Risk Team | Justworks

New York, NY  
June 2022 - August 2022

Revamped a legacy production script into a dynamic front-end tool, integrating back-end and testing functionalities to empower cross-functional teams.

- Engineered and deployed a robust Workers' Compensation feature that enhanced operational productivity.
- Spearheaded 2 company-wide panels and led 2 high-impact intern hackathons, driving innovation.
  - Developed an onboarding Slackbot that streamlined new hire integration, significantly reducing ramp-up time and resource investment.

### Projects

#### Stock Prediction Neural Network | Python, Keras, Pandas

Created an LSTM Neural Network using TensorFlow and Keras, utilizing Pandas Dataframe.

- The network continuously predicted the 5th trading day Close value based on the past 4 closing values.
- This project was researched, designed, failed, and redone until reaching the desired goal
  - Detailed project info and analysis can be found on my GitHub with a link to my medium article.

#### Swift App Developer - developed 7 IOS Apps

Researched, designed, and coded 7 Apps in Swift. Integrating UX & UI skills via backend programming through the colors, graphics, visual design, and layout to create a cohesive app that can be run on IOS devices

#### PokerPro

- A multiplayer Poker App. The ability to log in and play poker with those on the same wifi network. Utilizes SwiftData and Multiplayer Peer Connectivity

#### WordWizz

- A multi-game app displaying different Scrabble game versions with a user-friendly display. Available in 3 languages.

### Education

The Pennsylvania State University, College of Engineering, University Park      August 2020 - May 2024  
Bachelor of Science in Computer Science | Minor in Business Administration      GPA: 3.62

DIS: Copenhagen in Partnership with the University of Copenhagen  
Artificial Neural Networks and Deep Learning

1 Semester, Spring 2023

### Professional Skills

C | Java | React JavaScript | HTML | CSS | Python | Swift

C++ | Ruby, Rspec Testing, Sorbet | Solidity | Development with Web3 JS API

Fluent in Hebrew

### Personal Interests

#### TAMID Group

- Hand's-on business and tech experience involving startups in Israel

#### OPPerations Committee Member, THON 2022

- Volunteered over 50 hours for laborious activities including set-up, tear-down, and execution of multiple philanthropic events