

# Timothy Shaw

## WORK EXPERIENCE

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### TradeStation Technologies

Plantation, FL

SWE Intern- CRM Team

June 2024-Present

- Created 2 client-facing webpages using **Next.js**, connecting to Salesforce APIs.
- Wrote automated UI smoke tests for 12+ legacy applications using Cypress
- Conducted upgrades and smoke tests on 8 legacy servers to from .NET 6 to 8, patching security vulnerabilities.

SDET Intern - CRM Team

June 2023 - November 2023

- Developed and deployed an automated **UI testing** suite using **Selenium WebDriver**, creating 24 tests for Microsoft Dynamics CRM, and integrated the tests into the Azure CI/CD pipeline.
- Facilitated duplicate remediation during data pipeline transfer to **Salesforce** from **Microsoft Dynamics CRM** by using **JavaScript** and **SQL** to create rules that identify and flag duplicated contacts in **MuleSoft**
- Automated the **integration testing** of creating and modifying contacts, and validation of synchronization between Salesforce and Dynamics, by leveraging **JavaScript** in **Postman** which achieved an 80% reduction in testing time, and replaced a manual process.

### NeurOn Therapeutics

Miami, FL

Full Stack Developer

Dec. 2022 - Aug. 2024

- Designed and implemented a series of **15 React**-based games to rehab stroke patients and improve areas of cognition.
- Spearheaded deployment and delivery in MVP and v1 iterations, employing **AWS EC2**, **Flask**, **AWS Lambda**, and **Twilio** for robust game delivery and patient engagement.
- Leveraged **AWS Dynamo DB** for data storage and used **Pandas**, **Numpy**, and **Matplotlib** for data analysis.
- Successfully led the completion of 5 diverse projects, including cloud deployment, user dashboard, internal data analytics, intake assessment, and 15 games.

### MyMun

Remote

Frontend Developer

Apr. 2023 - Sep. 2023

- Designed and developed a web page with **Angular**, **TypeScript** and **HTML** for ranking Model United Nations conferences based on user feedback after attending.
- Utilized **Python** and **Flask** to automate the generation of placards and nametags based on attendees registered, saving conference organizers ~6 hours of time.

## PROJECTS

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### Project Management Integration Tool

April 2024-Present

- An entrepreneurial endeavor that combines **timeboxing techniques** with **project management** (Jira, Asana, Trello, more) and team **communication tools** (Slack, Microsoft Teams).
- Currently **accepting beta testers!** Email me if you use productivity tools like Sunsama, Akiflow, Todoist, etc. 🙌

### PDF Chatbot

February-March 2024

- Developed a full-stack platform to 'communicate' with PDFs using **Next.js** and **React** featuring authentication, subscription management with **Stripe**, real-time API streaming, a PDF viewer, **AI chatbot**, data fetching with tRPC & Zod, and a modern, highly-reusable UI built on **TailwindCSS**.
- Deployed a PostgreSQL database for storing user data, with AWS S3 buckets for file storage.

### AI Resume Editor

SwampHacks January 2023

- Used **OpenAI's GPT API** to create a **React** webapp with a **Python**, **Flask**, and **AWS** backend that reads a job description and identifies keywords that would be flagged by an ATS system, and then automatically integrates them into an embedded Google Doc with the user's resume.

## EDUCATION

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### University of Miami

Graduating May 2025

B.S. Computer Science | B.A. International Studies

GPA: 3.9/4.0

- **Organizations:** Miami Model United Nations (President) | Google Developer Student Club (E-Board) | UM Debate

## SKILLS

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**Languages:** JavaScript | TypeScript | Java | Python | HTML & CSS

**Frameworks & Tools:** React.js | Angular | Next.js | AWS | Azure | GraphQL | tRPC | REST

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